Supporting Information for

Aztec accuracy in land-surveying: A mathematical assessment of records in the Codex Vergara

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Video: Animation of equation (3) showing the possibles shapes and areas of a quadrilateral with given sidelengths.

S1. Vergara database

Codex Vergara quadrilaterals database. The information consists of recorded sidelengths and areas, along with our computed maximum possible areas and plots of field shapes determined by the coordinates (u, v) and (w, z). Field Id: localities 01 to 05—household numbers sequentially first to last as they appear in the codex—field numbers sequentially within households. Sidelengths: a, b, c, d drawn clockwise beginning with the longest side a. Numbers refer to standard linear measures in T ($= 2{,}5\mathrm{m}$), along with monad distances shorter than T: 0,4T = heart, 0,5T = arrow, 0,6 T = hand. Rec. Area (Ac): codex recorded area. Max. Area (Am): computed maximum possible area, given the recorded sidelengths. Shapes 1 and 2: Plots of the two possible shapes (dotted blue and green lines) of a feasible quadrilateral that occur when $Ac < Am$. Max. Area Shape: Plot of the computed quadrilateral shape with maximum possible area (solid red line) for the given recorded sidelengths, this plot coincides with the plot for the case $Ac = Am$. Click on **Go to** to bring up the plots for a given quadrilateral. Unfeasible quadrilaterals are marked in red.

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-01-002	16.0	10.0	11.0	9.0	126	123.6	Go to(29)
01-01-003	26.0	8.0	26.0	9.0	200	221.0	Go to(30)
01-01-004	20.0	20.0	20.0	20.0	400	400.0	Go to(31)
01-01-005	20.0	20.0	20.0	20.0	400	400.0	Go to(32)
01-01-006	20.0	20.0	20.0	20.0	400	400.0	Go to(33)
01-01-008	20.0	20.0	20.0	20.0	400	400.0	Go to(34)
01-01-009	20.0	20.0	20.0	20.0	400	400.0	Go to(35)
01-01-010	20.0	10.0	20.0	10.0	200	200.0	Go to(36)
01-02-002	20.0	20.0	20.0	20.0	400	400.0	Go to(37)
01-02-003	20.0	20.0	20.0	20.0	400	400.0	Go to(38)
01-02-004	20.0	20.0	20.0	20.0	400	400.0	Go to(39)
01-02-007	20.0	20.0	20.0	20.0	400	400.0	Go to(40)
01-02-008	20.0	20.0	20.0	20.0	400	400.0	Go to(41)
01-02-009	20.0	10.0	20.0	10.0	200	200.0	Go to(42)
01-03-002	13.5	11.0	6.0	6.0	73	71.9	Go to(43)
01-03-003	20.0	20.0	20.0	20.0	400	400.0	Go to(44)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-03-004	20.0	20.0	20.0	20.0	400	400.0	Go to(45)
01-03-005	20.0	20.0	20.0	20.0	400	400.0	Go to(46)
01-03-007	20.0	20.0	20.0	20.0	400	400.0	Go to(47)
01-03-008	20.0	20.0	20.0	20.0	400	400.0	Go to(48)
01-03-009	20.0	20.0	20.0	20.0	400	400.0	Go to(49)
01-03-011	20.0	20.0	20.0	20.0	400	400.0	Go to(50)
01-03-012	20.0	20.0	20.0	20.0	400	400.0	Go to(51)
01-03-013	20.0	20.0	20.0	20.0	400	400.0	Go to(52)
01-04-003	20.0	20.0	20.0	20.0	400	400.0	Go to(53)
01-04-004	20.0	20.0	20.0	20.0	400	400.0	Go to(54)
01-04-005	20.0	12.0	20.0	12.0	240	240.0	Go to(55)
01-04-006	20.4	11.0	18.0	10.0	208	200.2	Go to(56)
01-04-007	20.0	20.0	20.0	20.0	400	400.0	Go to(57)
01-04-008	20.0	20.0	20.0	20.0	400	400.0	Go to(58)
01-04-009	20.0	20.0	20.0	20.0	400	400.0	Go to(59)
01-04-010	20.0	10.0	20.0	10.0	200	200.0	Go to(60)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-04-011	35.5	25.5	34.6	25.5	849	893.6	Go to(61)
01-05-002	20.0	20.0	20.0	20.0	400	400.0	Go to(??)
01-05-003	20.0	20.0	20.0	20.0	400	400.0	Go to(62)
01-05-004	20.0	10.0	20.0	10.0	200	200.0	Go to(63)
01-05-005	20.0	20.0	20.0	20.0	400	400.0	Go to(64)
01-05-006	20.0	20.0	20.0	20.0	400	400.0	Go to(65)
01-05-007	20.0	20.0	20.0	20.0	400	400.0	Go to(66)
01-05-008	20.0	10.0	20.0	10.0	200	200.0	Go to(67)
01-06-002	19.0	12.0	18.0	11.0	222	212.5	Go to(68)
01-06-003	20.0	20.0	20.0	20.0	400	400.0	Go to(69)
01-06-004	20.0	20.0	20.0	20.0	400	400.0	Go to(70)
01-06-005	20.0	10.0	20.0	10.0	200	200.0	Go to(71)
01-07-001	15.0	3.0	14.0	9.0	95	84.8	Go to(72)
01-07-003	20.0	20.0	20.0	20.0	400	400.0	Go to(73)
01-07-004	20.0	20.0	20.0	20.0	400	400.0	Go to(74)
01-07-005	20.0	12.0	20.0	10.5	240	224.8	Go to(75)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-07-008	20.0	20.0	20.0	20.0	400	400.0	Go to(76)
01-07-009	20.0	20.0	20.0	20.0	400	400.0	Go to(77)
01-07-010	20.0	10.0	20.0	10.0	200	200.0	Go to(78)
01-08-002	20.0	20.0	20.0	20.0	400	400.0	Go to(79)
01-08-003	20.0	20.0	20.0	20.0	400	400.0	Go to(80)
01-08-004	20.0	10.0	20.0	10.0	200	200.0	Go to(81)
01-09-001	26.0	8.0	25.0	15.0	293	290.2	Go to(82)
01-09-002	20.0	20.0	20.0	20.0	400	400.0	Go to(83)
01-09-003	20.0	20.0	20.0	20.0	400	400.0	Go to(84)
01-09-004	20.0	10.0	20.0	10.0	200	200.0	Go to(85)
01-10-002	20.0	20.0	20.0	20.0	400	400.0	Go to(86)
01-10-003	20.0	20.0	20.0	20.0	400	400.0	Go to(87)
01-10-004	20.0	10.0	20.0	10.0	200	200.0	Go to(88)
01-11-002	17.5	12.0	15.0	10.0	166	177.3	Go to(89)
01-11-003	20.0	20.0	20.0	20.0	400	400.0	Go to(90)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-11-004	20.0	20.0	20.0	20.0	400	400.0	Go to(91)
01-11-005	20.0	20.0	20.0	20.0	400	400.0	Go to(92)
01-12-002	20.0	20.0	20.0	20.0	400	400.0	Go to(93)
01-12-003	20.0	20.0	20.0	20.0	400	400.0	Go to(94)
01-12-004	20.0	20.0	20.0	20.0	400	400.0	Go to(95)
01-13-001	31.0	20.0	25.0	20.0	560	553.7	Go to(96)
01-13-002	20.0	20.0	20.0	20.0	400	400.0	Go to(97)
01-13-003	20.0	20.0	20.0	20.0	400	400.0	Go to(98)
01-13-004	20.0	10.0	20.0	10.0	200	200.0	Go to(99)
01-14-001	34.0	20.0	25.0	20.0	586	574.9	Go to(100)
01-14-002	20.0	20.0	20.0	20.0	400	400.0	Go to(101)
01-14-003	20.0	20.0	20.0	20.0	400	400.0	Go to(102)
01-14-004	19.0	10.0	18.0	7.0	162	156.5	Go to(103)
01-15-003	20.0	20.0	20.0	20.0	400	400.0	Go to(104)
01-15-004	20.0	20.0	20.0	20.0	400	400.0	Go to(105)
01-15-005	20.0	10.0	20.0	10.0	200	200.0	Go to(106)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-15-006	21.0	11.0	17.0	11.0	238	205.5	Go to(107)
01-15-007	20.5	12.0	10.0	19.0	190	216.5	Go to(108)
01-15-008	20.0	20.0	20.0	20.0	400	400.0	Go to(109)
01-15-009	20.0	20.0	20.0	20.0	400	400.0	Go to(110)
01-15-010	20.0	10.0	20.0	10.0	200	200.0	Go to(111)
01-16-002	20.0	20.0	20.0	20.0	400	400.0	Go to(112)
01-16-003	20.0	20.0	20.0	20.0	400	400.0	Go to(113)
01-16-004	20.0	10.0	20.0	10.0	200	200.0	Go to(114)
01-17-001	20.0	7.0	20.0	6.0	128	130.0	Go to(115)
01-17-003	25.0	5.0	24.0	4.0	103	109.5	Go to(116)
01-17-004	20.0	20.0	20.0	20.0	400	400.0	Go to(117)
01-17-005	20.0	20.0	20.0	20.0	400	400.0	Go to(118)
01-17-006	20.0	10.0	20.0	10.0	200	200.0	Go to(119)
01-18-001	34.0	20.0	34.0	20.0	660	680.0	Go to(120)
01-18-002	20.0	20.0	20.0	20.0	400	400.0	Go to(121)
01-18-003	20.0	20.0	20.0	20.0	400	400.0	Go to(122)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-18-004	20.0	10.0	20.0	10.0	200	200.0	Go to (123)
01-19-001	30.0	12.0	30.0	12.0	520	360.0	Go to (124)
01-19-002	20.0	20.0	20.0	20.0	400	400.0	Go to (125)
01-19-003	20.0	20.0	20.0	20.0	400	400.0	Go to (126)
01-19-004	20.0	11.0	20.0	12.0	220	229.9	Go to (127)
01-20-001	33.0	20.0	25.0	20.0	580	568.3	Go to (128)
01-20-002	20.0	20.0	20.0	20.0	400	400.0	Go to (129)
01-20-003	20.0	20.0	20.0	20.0	400	400.0	Go to (130)
01-20-004	15.0	10.5	15.0	11.0	150	161.2	Go to (131)
01-21-003	25.0	10.0	20.0	10.0	203	217.9	Go to (132)
01-21-004	20.0	20.0	20.0	20.0	400	400.0	Go to (133)
01-21-005	20.0	20.0	20.0	20.0	400	400.0	Go to (134)
01-21-006	20.0	10.0	20.0	10.0	200	200.0	Go to (135)
01-22-002	23.0	16.0	20.0	16.5	336	347.9	Go to (136)
01-22-003	20.0	20.0	20.0	20.0	400	400.0	Go to (137)
01-22-004	20.0	20.0	20.0	20.0	400	400.0	Go to (138)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-23-003	20.0	20.0	20.0	20.0	400	400.0	Go to (139)
01-23-004	20.0	20.0	20.0	20.0	400	400.0	Go to (140)
01-23-006	10.0	6.0	8.0	9.0	64	66.0	Go to (141)
01-24-001	16.0	11.0	16.0	8.5	128	155.5	Go to (142)
01-24-002	20.0	20.0	20.0	20.0	400	400.0	Go to (143)
01-25-001	16.0	8.0	16.0	7.0	126	119.9	Go to (144)
01-26-003	36.0	8.5	34.0	9.0	242	304.2	Go to (145)
01-26-004	34.0	13.0	34.0	12.0	424	425.0	Go to (146)
01-26-005	20.0	8.0	20.0	8.5	300	165.0	Go to (147)
01-27-002	14.0	6.0	13.0	6.0	75	80.7	Go to (148)
01-27-003	20.0	20.0	20.0	20.0	400	400.0	Go to (149)
01-28-001	22.0	6.0	21.0	12.0	191	191.3	Go to (150)
01-28-002	20.0	20.0	20.0	20.0	400	400.0	Go to (151)
01-28-003	20.0	14.0	20.0	12.0	260	259.7	Go to (152)
01-28-004	20.0	20.0	20.0	20.0	400	400.0	Go to (153)
01-28-005	20.0	15.0	20.0	11.0	260	258.7	Go to (154)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-29-001	36.0	8.0	35.5	9.0	300	303.7	Go to (155)
01-29-003	33.0	8.5	22.0	8.0	176	169.1	Go to (156)
01-29-005	32.0	26.0	30.5	30.5	850	880.2	Go to (157)
01-29-008	21.0	14.0	18.0	14.4	273	275.3	Go to (158)
01-29-009	36.0	23.0	34.0	24.0	800	821.7	Go to (159)
01-30-002	37.0	28.0	29.0	35.6	1050	1034.1	Go to (160)
01-30-005	51.0	41.0	35.0	50.0	1900	1915.4	Go to (161)
01-30-006	35.0	14.0	33.0	25.4	700	659.5	Go to (162)
01-30-009	32.0	21.0	31.0	20.0	625	645.5	Go to (163)
01-31-001	20.4	19.6	20.4	19.5	380	398.8	Go to (164)
01-31-002	31.0	19.0	30.0	18.0	560	564.0	Go to (165)
01-32-001	19.0	12.0	14.5	14.0	206	214.1	Go to (166)
01-33-002	20.0	10.0	20.0	10.0	200	200.0	Go to (167)
01-34-002	20.0	20.0	20.0	20.0	400	400.0	Go to (168)
01-34-003	20.0	20.0	20.0	20.0	400	400.0	Go to (169)
01-34-004	20.0	20.0	20.0	20.0	400	400.0	Go to (170)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
01-35-001	32.0	12.0	27.0	10.5	323	323.5	Go to(171)
01-35-002	20.0	20.0	20.0	20.0	400	400.0	Go to(172)
01-35-003	20.0	20.0	20.0	20.0	400	400.0	Go to(173)
01-35-004	20.0	10.0	20.0	10.0	200	200.0	Go to(174)
01-36-002	20.0	20.0	20.0	20.0	400	400.0	Go to(175)
01-36-003	20.0	20.0	20.0	20.0	400	400.0	Go to(176)
01-36-004	20.0	10.5	20.0	10.5	210	210.0	Go to(177)
01-37-001	14.0	10.0	14.0	10.0	140	140.0	Go to(178)
01-37-002	20.0	20.0	20.0	20.0	400	400.0	Go to(179)
01-37-003	20.0	20.0	20.0	20.0	400	400.0	Go to(180)
01-38-003	20.0	20.0	20.0	20.0	400	400.0	Go to(181)
01-38-004	20.0	20.0	20.0	20.0	400	400.0	Go to(182)
01-39-002	20.0	20.0	20.0	20.0	400	400.0	Go to(183)
01-39-003	20.0	20.0	20.0	20.0	400	400.0	Go to(184)
01-39-004	20.0	20.0	20.0	20.0	400	400.0	Go to(185)
02-01-002	41.0	11.0	35.0	8.5	366	352.3	Go to(186)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
02-02-001	38.0	17.0	37.4	25.0	931	787.2	Go to (187)
02-02-002	35.0	15.0	32.0	18.0	566	549.9	Go to (188)
02-02-003	25.0	20.0	25.0	22.5	500	530.6	Go to (189)
02-03-002	31.0	12.5	30.5	12.0	372	376.6	Go to (190)
02-03-004	39.0	15.0	37.0	16.0	592	587.7	Go to (191)
02-03-005	29.0	20.5	22.0	21.5	525	527.9	Go to (192)
02-03-008	27.0	19.0	22.0	19.0	822	461.5	Go to (193)
02-04-001	32.0	20.0	30.4	24.0	745	684.5	Go to (194)
02-05-001	37.0	12.0	36.0	12.0	438	437.6	Go to (195)
02-05-002	41.4	16.0	37.0	24.4	765	782.6	Go to (196)
02-05-003	30.5	14.0	29.0	13.5	400	408.4	Go to (197)
02-05-004	42.0	10.0	40.0	14.0	492	489.7	Go to (198)
02-06-002	25.0	24.0	24.0	16.0	492	483.3	Go to (199)
02-06-003	33.5	17.0	32.5	16.0	538	544.2	Go to (200)
02-07-002	33.0	15.0	33.0	4.0	288	309.1	Go to (201)
02-08-001	24.0	19.5	22.5	20.0	451	458.8	Go to (202)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
02-09-002	24.0	17.4	16.0	17.0	340	334.6	Go to (203)
02-09-003	25.0	12.5	24.0	15.0	310	336.2	Go to (204)
02-10-002	32.0	11.4	31.0	12.0	351	368.2	Go to (205)
03-01-002	38.0	11.0	37.0	24.0	631	646.1	Go to (206)
03-01-003	36.0	13.0	34.0	10.0	402	400.6	Go to (207)
03-01-004	27.0	26.0	26.0	25.0	652	675.5	Go to (208)
03-01-005	37.0	8.0	35.0	10.0	333	321.9	Go to (209)
03-01-006	31.0	9.0	27.0	13.0	320	312.9	Go to (210)
03-01-010	37.0	30.0	30.0	30.0	1005	998.1	Go to (211)
03-01-011	34.0	14.0	31.0	17.0	480	500.9	Go to (212)
03-01-012	23.0	17.0	21.0	16.0	370	362.2	Go to (213)
03-02-001	38.0	27.0	37.0	25.0	567	974.5	Go to (214)
03-02-002	42.0	17.0	41.0	9.0	538	536.6	Go to (215)
03-02-004	38.0	13.0	36.0	17.0	560	553.0	Go to (216)
03-02-006	28.0	16.0	26.0	19.0	459	471.0	Go to (217)
03-02-007	8.0	6.0	8.0	6.0	25	48.0	Go to (218)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
03-02-008	30.0	16.0	28.0	25.0	610	586.6	Go to (219)
03-02-009	28.0	20.0	23.0	20.0	510	506.0	Go to (220)
03-02-012	35.0	10.0	34.0	10.0	300	344.6	Go to (221)
03-02-013	30.0	17.0	17.0	15.0	408	343.3	Go to (222)
03-02-014	30.0	8.0	28.0	10.0	264	259.2	Go to (223)
03-02-015	52.0	16.0	46.5	19.0	920	850.8	Go to (224)
03-03-001	56.0	12.0	55.0	12.0	640	665.4	Go to (225)
03-03-002	44.0	16.0	41.0	15.0	651	655.6	Go to (226)
03-03-003	32.0	21.0	32.0	20.0	656	655.9	Go to (227)
03-03-005	23.5	10.5	21.5	21.5	582	348.4	Go to (228)
03-03-006	34.0	20.0	31.0	20.0	650	648.2	Go to (229)
03-03-007	34.0	15.0	25.0	17.0	470	452.7	Go to (230)
03-04-003	28.0	21.0	20.0	20.5	480	488.6	Go to (231)
03-04-006	22.0	4.0	22.0	5.0	98	99.0	Go to (232)
03-05-001	20.0	18.0	20.0	19.0	372	369.9	Go to (233)
03-05-003	25.0	15.0	25.0	23.0	474	468.9	Go to (234)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
03-05-005	25.0	16.0	20.0	21.0	460	409.9	Go to (235)
03-05-006	35.0	17.0	32.0	20.0	650	617.1	Go to (236)
03-05-007	30.0	20.0	20.0	20.0	500	484.1	Go to (237)
03-05-009	22.0	20.0	19.0	21.0	866	419.0	Go to (238)
03-06-001	47.0	23.0	42.0	20.0	1005	949.7	Go to (239)
03-06-002	26.0	11.0	26.0	14.0	315	324.5	Go to (240)
03-06-005	20.0	12.0	19.0	10.0	232	214.0	Go to (241)
03-06-007	38.0	12.0	35.0	12.0	500	434.6	Go to (242)
03-06-008	22.0	11.5	21.5	15.0	260	287.2	Go to (243)
03-06-009	41.0	17.0	35.0	21.0	830	712.0	Go to (244)
03-07-002	30.0	15.0	30.0	6.0	339	311.4	Go to (245)
03-07-005	26.0	12.0	25.0	10.0	274	280.0	Go to (246)
03-07-006	26.0	15.0	25.5	12.0	344	347.0	Go to (247)
03-07-007	24.0	17.0	23.0	16.0	391	387.5	Go to (248)
03-07-008	24.0	17.0	20.6	17.0	491	377.2	Go to (249)
03-07-011	29.0	27.0	28.0	20.0	667	664.5	Go to (250)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
03-08-001	35.5	35.0	32.0	13.0	728	763.7	Go to (251)
03-08-002	30.0	23.0	29.0	23.0	608	678.3	Go to (252)
03-08-003	40.0	8.0	39.0	12.0	436	394.0	Go to (253)
03-08-004	38.0	13.0	35.0	11.0	436	434.4	Go to (254)
03-08-006	24.0	11.0	22.0	17.0	350	318.4	Go to (255)
03-08-007	19.0	14.0	17.0	11.0	227	223.5	Go to (256)
03-09-001	30.0	21.0	25.0	21.0	630	573.4	Go to (257)
03-09-003	30.0	20.0	30.0	15.0	270	523.2	Go to (258)
03-09-006	30.0	18.0	30.0	20.0	256	569.7	Go to (259)
03-10-001	37.0	29.0	30.5	35.0	1069	1070.2	Go to (260)
03-10-002	21.0	15.0	20.5	15.0	310	311.2	Go to (261)
03-10-003	30.0	22.0	22.0	24.0	540	588.5	Go to (262)
03-10-004	24.0	21.0	23.0	22.0	503	505.0	Go to (263)
03-10-007	21.4	13.0	21.0	11.0	400	254.1	Go to (264)
03-11-002	29.0	28.0	17.0	25.0	610	592.4	Go to (265)
03-11-003	28.0	20.0	27.0	21.0	563	563.5	Go to (266)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
03-11-004	28.0	15.0	26.0	17.0	440	430.9	Go to (267)
03-11-005	21.0	19.5	18.0	18.0	260	364.2	Go to (268)
03-11-007	29.5	26.0	18.0	26.5	573	608.3	Go to (269)
03-11-008	38.5	10.0	35.0	9.5	347	352.5	Go to (270)
03-11-009	33.0	9.0	31.5	8.0	273	273.0	Go to (271)
03-11-011	24.0	19.0	24.0	15.0	655	406.6	Go to (272)
03-12-001	23.0	21.5	23.0	21.0	480	488.7	Go to (273)
03-12-002	52.0	6.0	49.0	23.0	727	717.9	Go to (274)
03-12-003	23.0	20.0	22.0	20.0	460	449.9	Go to (275)
03-12-004	26.5	15.5	25.5	17.0	400	422.1	Go to (276)
03-13-002	32.0	10.0	29.0	9.0	311	286.1	Go to (277)
03-13-003	37.0	22.0	26.0	5.4	480	381.3	Go to (278)
03-13-004	23.0	17.0	21.0	13.0	330	327.9	Go to (279)
04-01-005	20.0	3.0	20.0	3.0	60	60.0	Go to (280)
04-01-007	9.0	9.0	8.0	8.0	228	72.0	Go to (281)
04-01-008	31.0	25.0	25.0	23.0	669	666.3	Go to (282)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
04-03-002	26.0	22.0	25.0	23.0	573	573.5	Go to (283)
04-03-003	41.0	10.0	41.0	10.0	410	410.0	Go to (284)
04-03-004	41.0	25.0	41.0	29.0	1107	1105.7	Go to (285)
04-03-005	25.0	5.0	24.0	5.0	120	121.9	Go to (286)
04-03-006	30.0	4.0	30.0	4.0	120	120.0	Go to (287)
04-04-003	18.0	14.0	18.0	10.0	240	214.7	Go to (288)
04-04-004	22.0	16.0	22.0	19.0	390	384.1	Go to (289)
04-04-005	21.0	21.0	16.0	20.0	364	376.3	Go to (290)
04-04-006	40.0	25.0	40.0	30.0	880	1097.8	Go to (291)
04-06-001	30.0	19.0	29.0	18.0	540	545.5	Go to (292)
04-06-002	41.0	21.0	22.0	11.0	715	498.5	Go to (293)
04-06-003	42.0	12.0	40.0	11.0	451	469.7	Go to (294)
04-06-005	20.0	10.0	20.0	10.0	200	200.0	Go to (295)
04-06-006	25.0	9.0	22.0	8.0	190	196.6	Go to (296)
04-07-001	35.0	11.0	35.0	12.0	365	402.5	Go to (297)
04-07-002	26.0	23.0	23.0	21.0	527	537.3	Go to (298)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
04-07-003	10.0	10.0	7.0	8.0	75	74.9	Go to (299)
04-08-002	25.0	20.0	22.0	21.0	480	480.3	Go to (300)
04-08-003	10.0	9.0	10.0	10.0	90	94.9	Go to (301)
04-08-004	40.0	39.0	26.0	34.0	640	1178.7	Go to (302)
04-08-005	30.0	15.0	30.0	15.0	450	450.0	Go to (303)
04-09-002	28.0	5.0	27.0	12.0	231	231.4	Go to (304)
04-09-003	13.0	13.0	12.0	12.0	236	156.0	Go to (305)
04-10-002	13.0	7.0	12.0	6.0	81	80.9	Go to (306)
04-10-004	30.0	30.0	22.0	14.0	769	535.2	Go to (307)
04-11-002	16.0	10.0	15.0	15.0	191	191.1	Go to (308)
04-11-003	34.0	26.0	30.0	23.0	724	780.5	Go to (309)
04-12-001	41.0	26.0	41.0	24.0	1025	1024.7	Go to (310)
04-12-002	36.0	15.0	35.0	16.0	474	549.9	Go to (311)
04-12-003	40.0	22.0	37.0	26.0	900	920.9	Go to (312)
05-01-008	38.0	19.0	37.0	19.0	708	712.3	Go to (313)
05-01-009	33.0	20.0	33.0	20.0	660	660.0	Go to (314)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-01-010	35.0	25.0	30.0	25.0	800	808.4	Go to (315)
05-01-011	25.0	5.0	21.0	5.0	560	105.4	Go to (316)
05-01-012	36.0	16.0	25.0	14.0	430	425.4	Go to (317)
05-01-016	33.0	10.0	30.0	17.0	426	420.0	Go to (318)
05-02-001	56.0	13.0	52.0	21.0	884	909.1	Go to (319)
05-02-002	45.0	7.0	44.0	4.0	242	243.6	Go to (320)
05-02-004	14.0	12.0	12.0	13.0	155	161.9	Go to (321)
05-03-006	49.0	14.0	47.0	12.5	623	634.1	Go to (322)
05-03-007	41.0	21.0	40.0	19.0	805	809.5	Go to (323)
05-03-008	16.0	16.0	16.0	16.0	256	256.0	Go to (324)
05-04-002	27.5	12.0	27.0	11.0	248	313.2	Go to (325)
05-04-003	25.0	11.0	21.0	15.0	360	294.3	Go to (326)
05-04-004	39.0	25.0	36.0	20.0	889	840.0	Go to (327)
05-04-005	25.6	11.0	23.0	15.6	312	320.2	Go to (328)
05-04-006	14.0	9.0	13.0	10.0	121	128.0	Go to (329)
05-05-003	56.0	15.0	52.0	11.0	700	693.2	Go to (330)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-05-005	16.0	16.0	15.0	15.0	248	240.0	Go to(331)
05-05-006	30.0	17.0	27.0	17.0	464	482.6	Go to(332)
05-05-007	32.0	14.0	32.0	14.0	448	448.0	Go to(333)
05-05-009	40.0	15.0	35.0	25.0	732	737.5	Go to(334)
05-05-010	27.0	14.0	25.0	11.0	338	323.4	Go to(335)
05-06-002	25.0	15.0	23.0	10.0	297	297.4	Go to(336)
05-06-003	23.0	15.4	20.0	15.6	370	331.7	Go to(337)
05-07-001	42.0	12.0	37.0	12.0	466	463.6	Go to(338)
05-07-002	37.0	8.0	37.0	8.0	296	296.0	Go to(339)
05-08-002	47.0	23.0	40.0	4.0	645	553.5	Go to(340)
05-08-003	23.0	17.0	23.0	15.0	443	367.7	Go to(341)
05-08-006	28.0	11.0	26.0	12.0	322	309.3	Go to(342)
05-09-001	28.0	22.5	22.0	22.0	530	551.1	Go to(343)
05-09-002	42.0	17.0	42.0	19.0	861	755.8	Go to(344)
05-09-003	27.0	20.0	23.0	22.0	520	522.2	Go to(345)
05-09-006	20.0	14.0	16.0	14.0	242	249.4	Go to(346)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-10-005	25.0	15.0	19.0	19.0	335	366.6	Go to (347)
05-10-006	42.0	32.0	27.0	28.0	905	1000.4	Go to (348)
05-10-007	21.5	20.0	21.0	20.0	420	425.0	Go to (349)
05-11-002	29.0	23.0	8.0	17.0	338	310.7	Go to (350)
05-11-003	25.0	13.0	25.0	13.0	450	325.0	Go to (351)
05-12-003	25.0	15.0	20.0	16.0	345	344.1	Go to (352)
05-12-004	35.0	17.0	29.0	17.0	544	535.5	Go to (353)
05-12-005	30.0	10.0	30.0	12.0	330	329.8	Go to (354)
05-13-007	26.0	23.0	23.5	25.0	585	592.7	Go to (355)
05-14-003	21.5	12.5	19.0	17.0	284	295.8	Go to (356)
05-14-007	31.0	12.0	25.0	13.5	348	346.9	Go to (357)
05-14-008	12.0	12.0	11.0	12.0	217	137.9	Go to (358)
05-14-010	27.0	24.0	27.0	24.0	610	648.0	Go to (359)
05-15-001	24.0	14.0	24.0	11.0	300	299.4	Go to (360)
05-16-001	43.0	12.0	43.0	11.0	460	494.5	Go to (361)
05-16-002	15.0	11.0	15.0	11.0	169	165.0	Go to (362)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-16-003	26.0	20.0	26.0	15.0	440	452.9	Go to (363)
05-16-005	43.0	12.0	34.0	16.0	582	509.7	Go to (364)
05-16-007	19.0	11.0	17.0	14.0	180	223.5	Go to (365)
05-18-006	30.0	25.0	22.0	20.0	586	573.0	Go to (366)
05-18-007	25.0	16.0	19.0	17.0	470	356.9	Go to (367)
05-19-002	34.0	29.0	26.0	28.0	850	846.4	Go to (368)
05-20-001	49.0	11.0	47.0	16.0	753	645.3	Go to (369)
05-21-002	32.0	30.0	10.0	26.0	588	538.3	Go to (370)
05-21-004	27.0	17.0	25.0	15.0	420	414.9	Go to (371)
05-22-002	14.0	11.0	11.0	10.0	130	129.8	Go to (372)
05-23-002	37.0	15.0	30.0	15.0	481	488.6	Go to (373)
05-23-003	21.0	17.0	20.0	17.0	345	348.3	Go to (374)
05-23-004	22.0	17.0	19.0	18.0	350	357.3	Go to (375)
05-23-005	30.0	11.0	30.0	15.5	390	396.4	Go to (376)
05-23-006	25.0	22.0	25.0	23.0	510	562.4	Go to (377)
05-23-007	25.0	10.0	25.0	21.0	405	378.0	Go to (378)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-23-008	21.0	18.0	20.0	19.0	350	379.0	Go to(379)
05-24-001	23.0	9.0	23.0	12.0	240	241.0	Go to(380)
05-24-003	19.0	17.0	18.0	19.0	325	332.4	Go to(381)
05-25-002	38.0	10.0	30.0	14.0	408	384.0	Go to(382)
05-25-007	31.0	12.5	31.0	22.0	571	528.4	Go to(383)
05-26-001	38.0	23.0	32.0	18.0	736	708.0	Go to(384)
05-26-002	28.0	27.0	27.0	23.0	710	685.5	Go to(385)
05-27-001	60.0	17.0	57.0	20.0	1071	1078.3	Go to(386)
05-27-004	24.0	10.0	24.0	10.0	240	240.0	Go to(387)
05-27-005	23.0	10.0	23.0	10.0	296	230.0	Go to(388)
05-28-001	50.0	13.0	50.0	15.0	700	699.9	Go to(389)
05-28-003	27.0	19.0	24.0	17.0	470	457.1	Go to(390)
05-29-002	21.0	15.0	20.0	20.0	360	355.9	Go to(391)
05-29-003	45.0	27.6	38.0	22.0	913	1016.6	Go to(392)
05-29-005	17.0	12.0	16.0	11.0	192	189.5	Go to(393)
05-29-006	22.0	20.0	22.0	18.0	418	417.6	Go to(394)

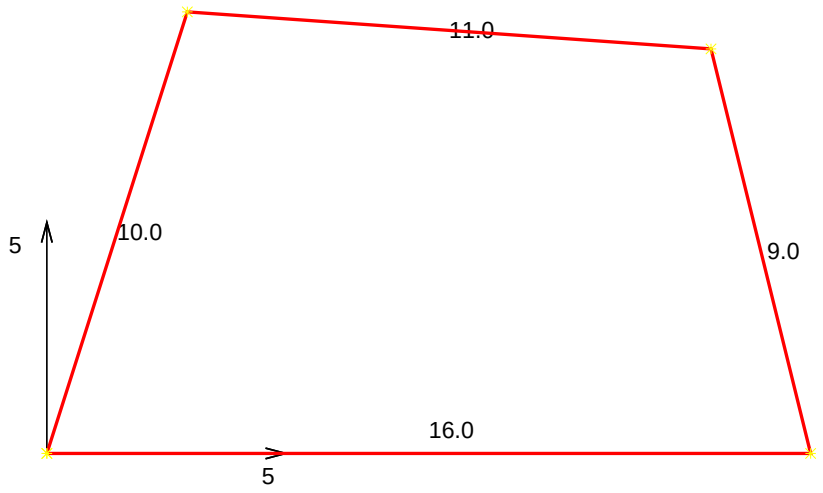
Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-29-007	35.0	12.0	17.0	17.0	370	294.2	Go to (395)
05-30-002	19.0	13.0	13.5	18.0	252	244.9	Go to (396)
05-30-003	28.0	11.0	27.0	9.5	257	281.4	Go to (397)
05-31-001	32.0	32.0	22.0	31.0	880	839.6	Go to (398)
05-31-003	23.0	21.0	22.0	20.0	448	461.0	Go to (399)
05-31-004	40.0	9.0	27.0	24.0	432	495.2	Go to (400)
05-32-002	32.0	30.0	28.0	26.0	840	836.0	Go to (401)
05-32-004	36.0	15.0	22.0	12.5	388	342.9	Go to (402)
05-32-005	19.0	10.0	14.0	12.0	198	176.4	Go to (403)
05-33-001	30.0	12.0	29.0	20.0	471	467.4	Go to (404)
05-33-004	42.0	31.0	40.0	30.0	1222	1249.7	Go to (405)
05-34-001	21.0	12.0	21.0	14.5	266	277.8	Go to (406)
05-34-002	22.0	18.0	21.0	17.0	362	376.0	Go to (407)
05-34-006	24.0	11.0	22.0	16.0	310	307.8	Go to (408)
05-34-008	27.0	25.0	24.0	14.0	507	484.1	Go to (409)
05-35-001	25.0	22.0	22.0	22.0	457	515.8	Go to (410)

Field Id	Side a (T)	Side b (T)	Side c (T)	Side d (T)	Rec. Area Ac (T^2)	Max. Area Am (T^2)	Shapes
05-35-002	37.0	24.0	37.0	24.0	888	888.0	Go to(411)
05-36-002	38.0	28.0	37.0	30.0	1078	1087.0	Go to(412)
05-36-004	22.0	10.0	22.0	10.0	220	220.0	Go to(413)

Id 01-01-002

Recorded Area= 126.0

Maximum Area= 123.6

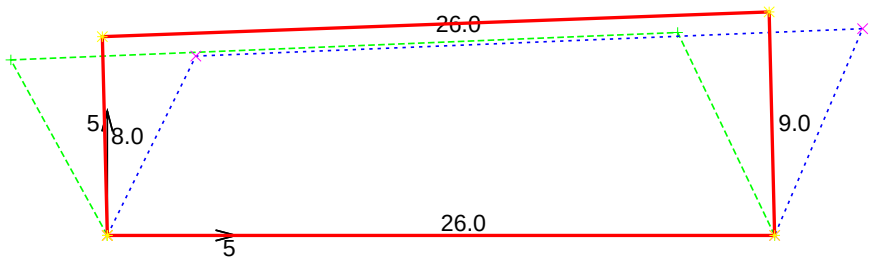


Return to beginning (4)

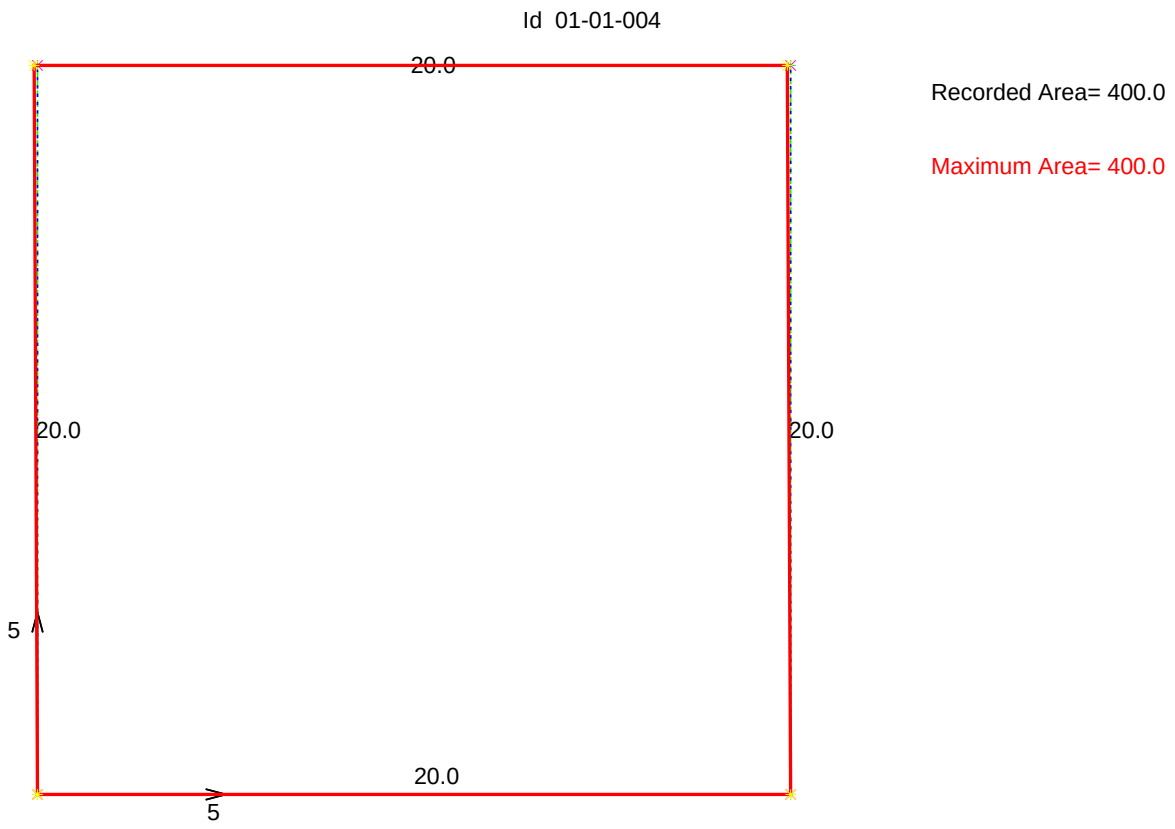
Id 01-01-003

Recorded Area= 200.0

Maximum Area= 221.0



Return to beginning (4)



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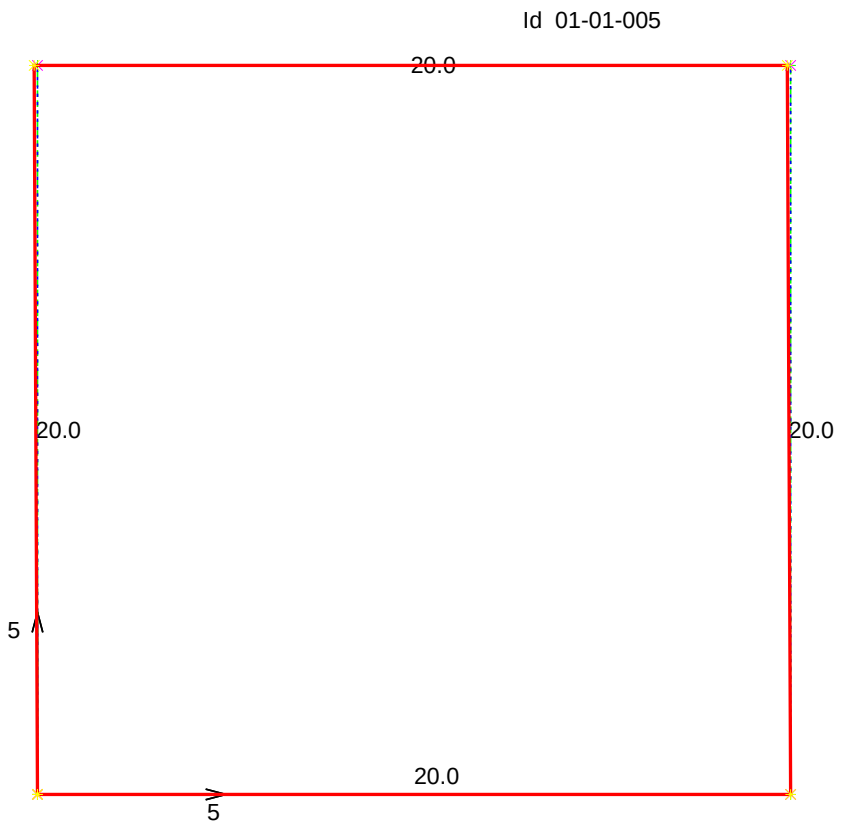
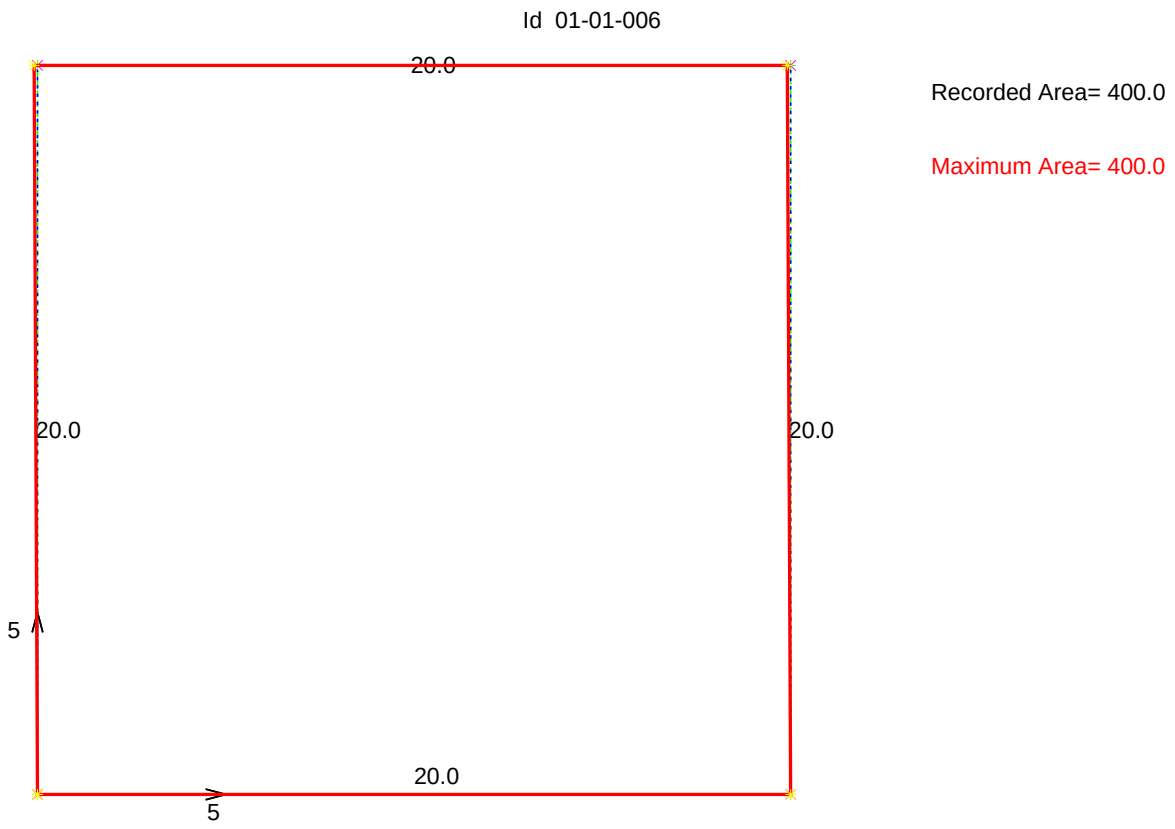


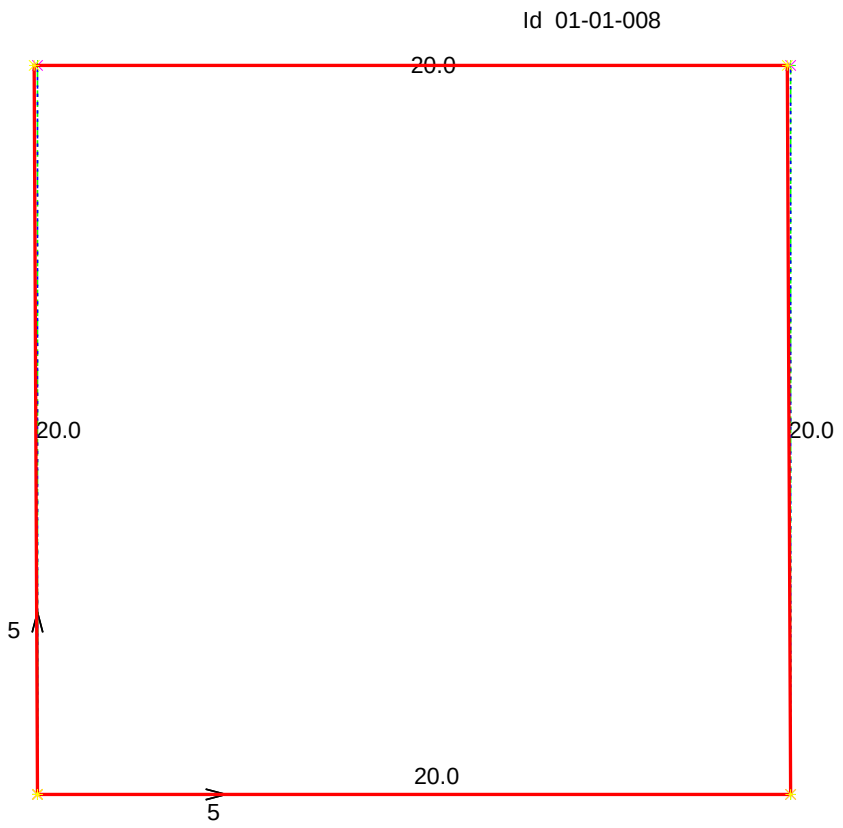
Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (4)



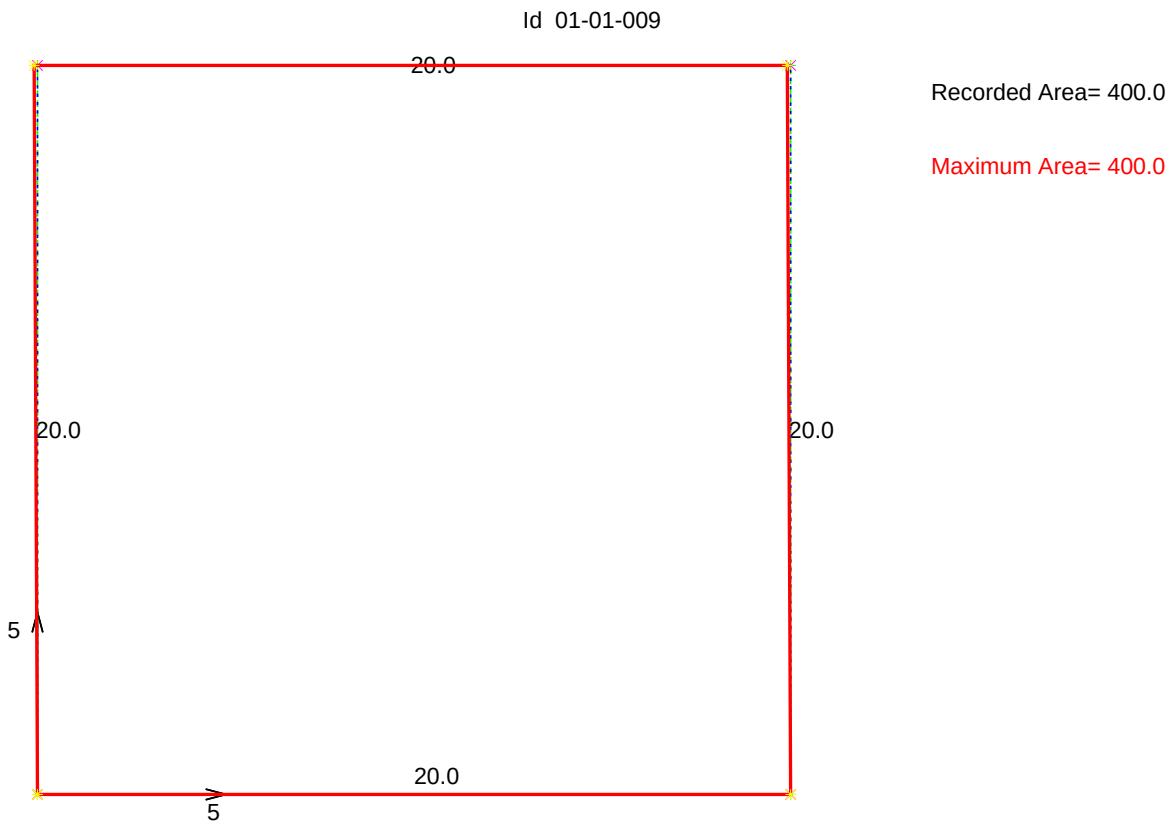
Return to beginning (4)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (4)

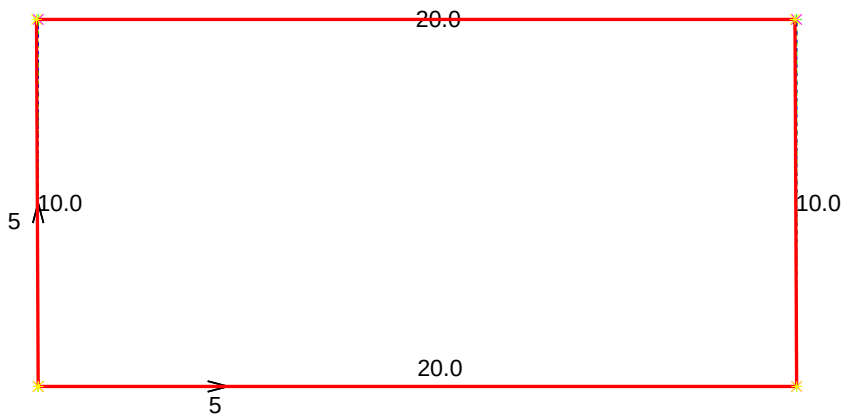


Return to beginning (4)

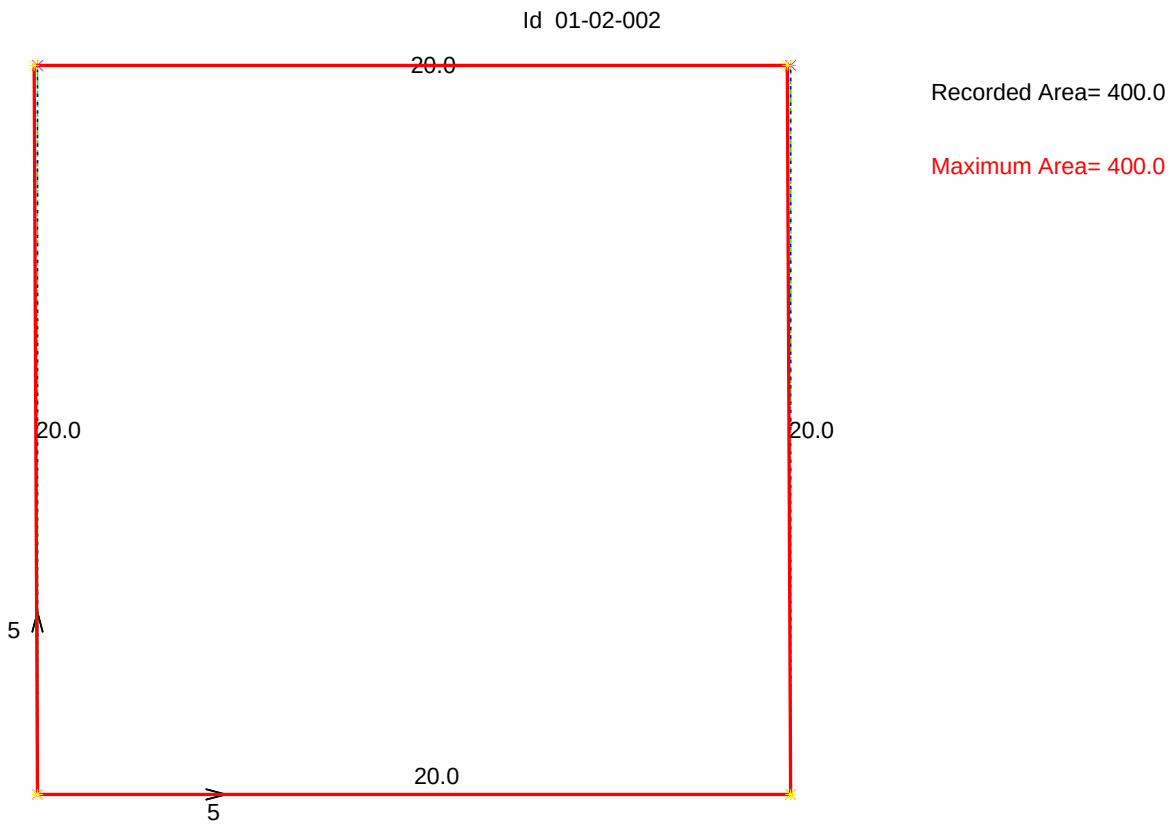
Id 01-01-010

Recorded Area= 200.0

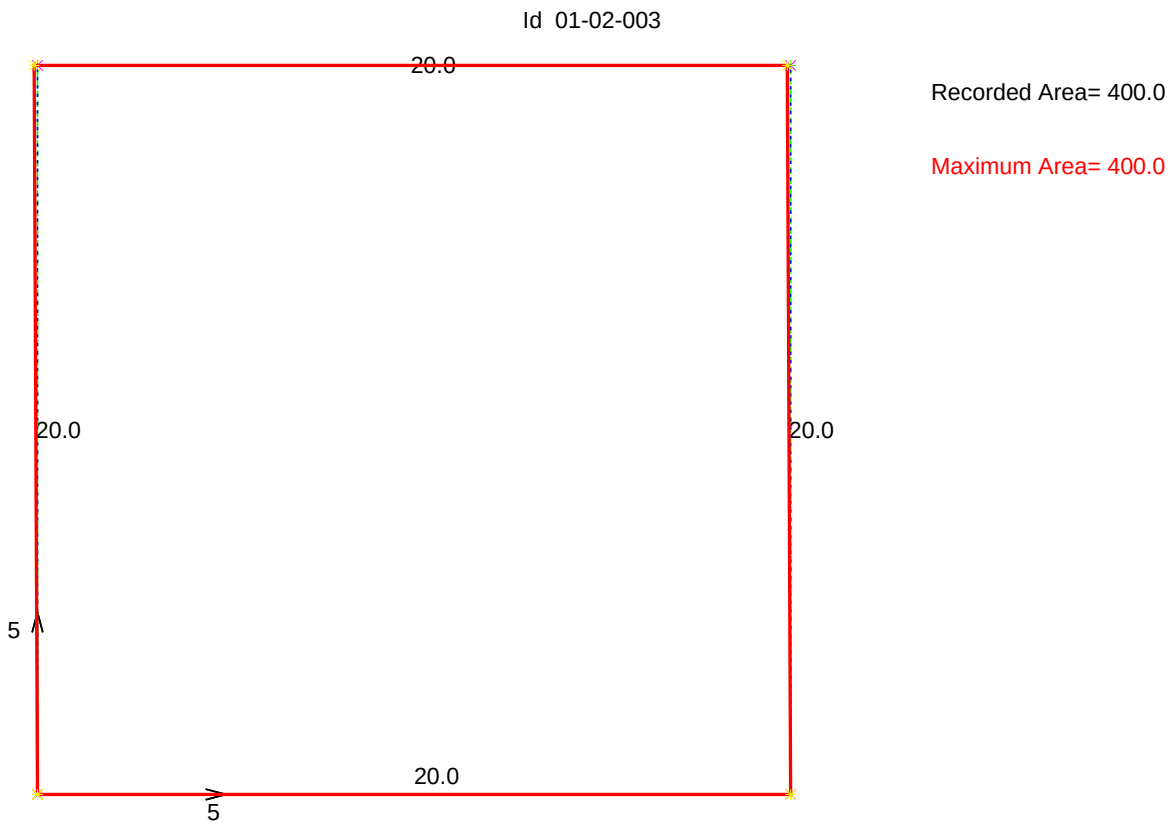
Maximum Area= 200.0



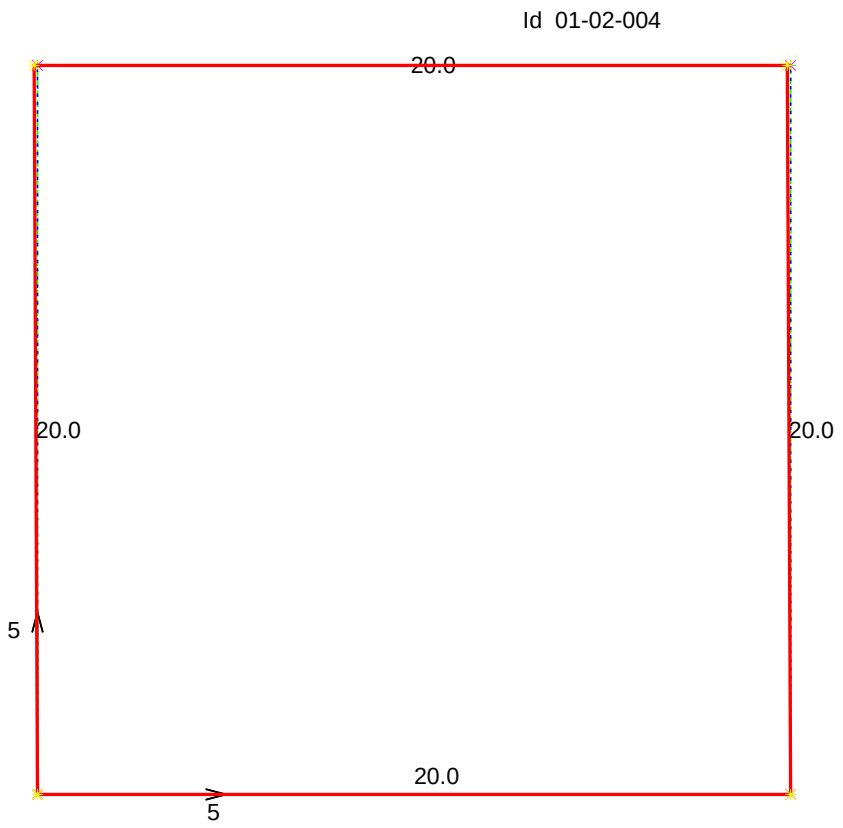
Return to beginning (4)



Return to beginning (4)



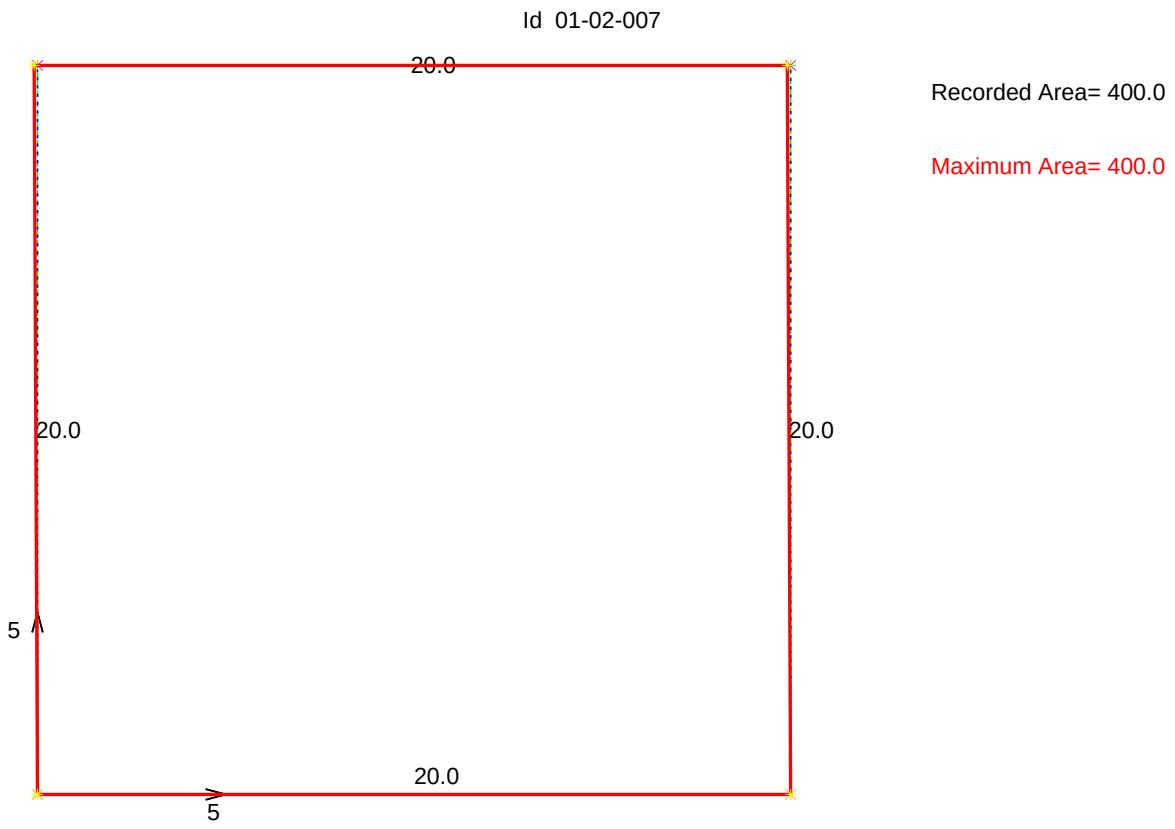
Return to beginning (4)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (4)



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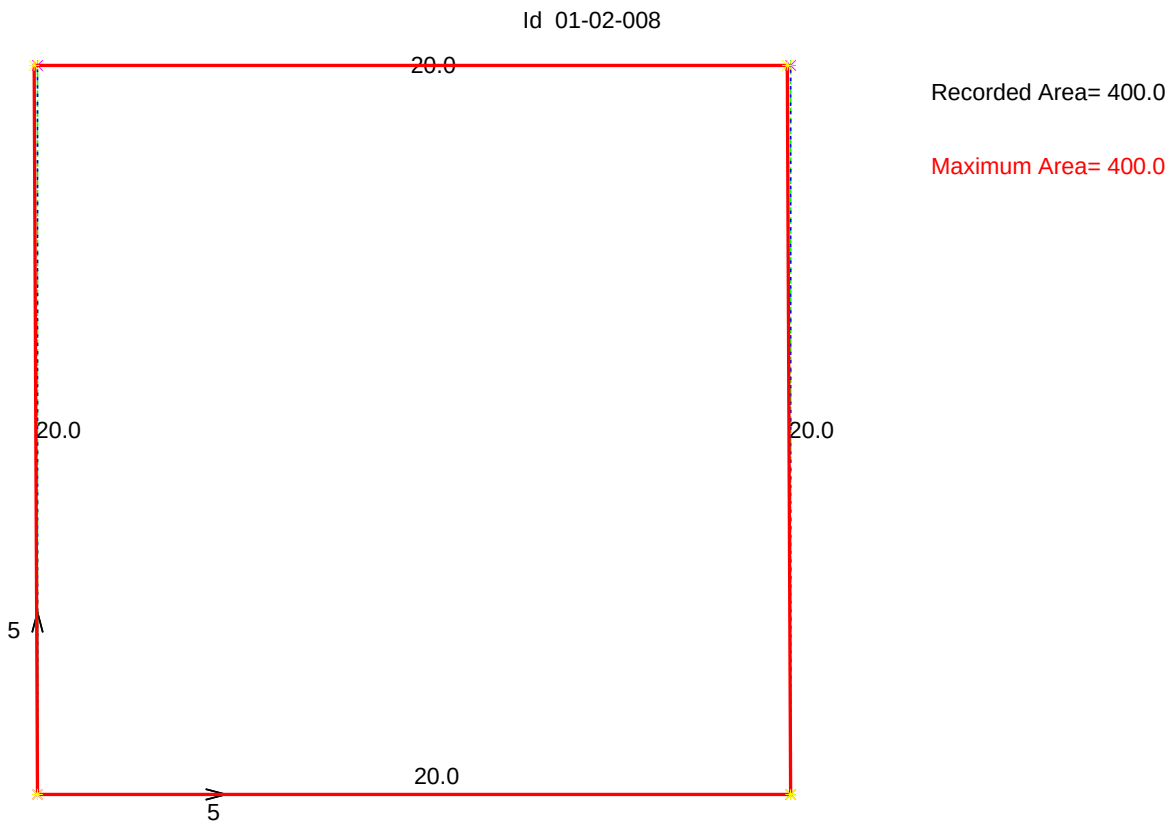
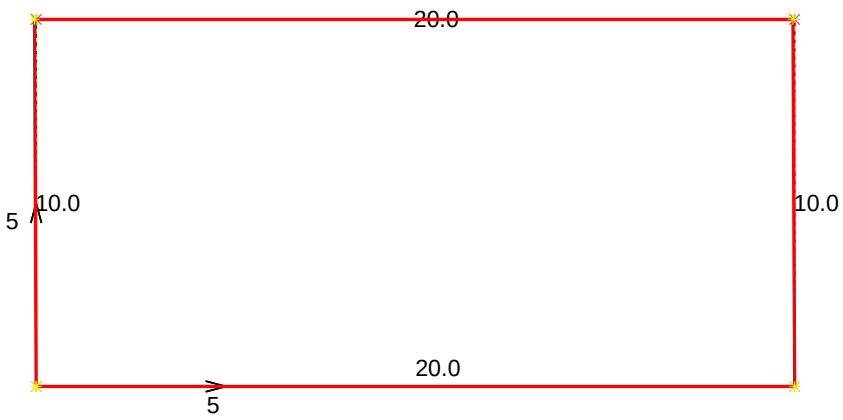


Return to beginning (4)

Id 01-02-009

Recorded Area= 200.0

Maximum Area= 200.0

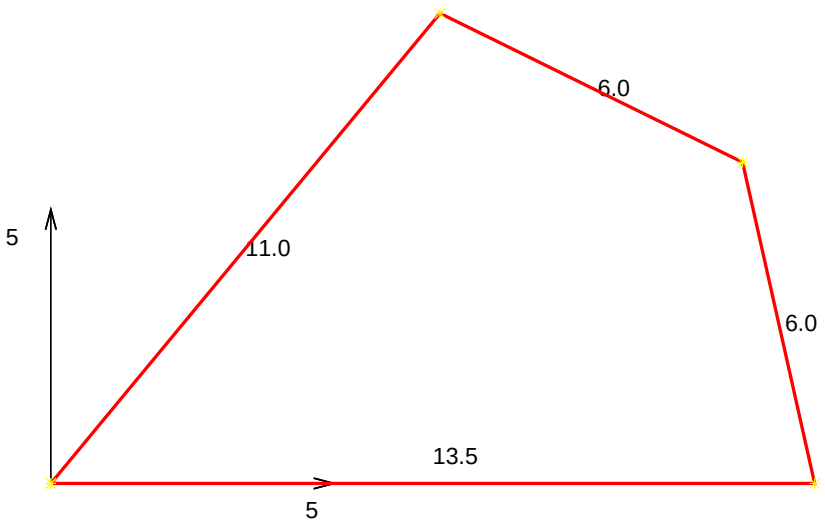


Return to beginning (4)

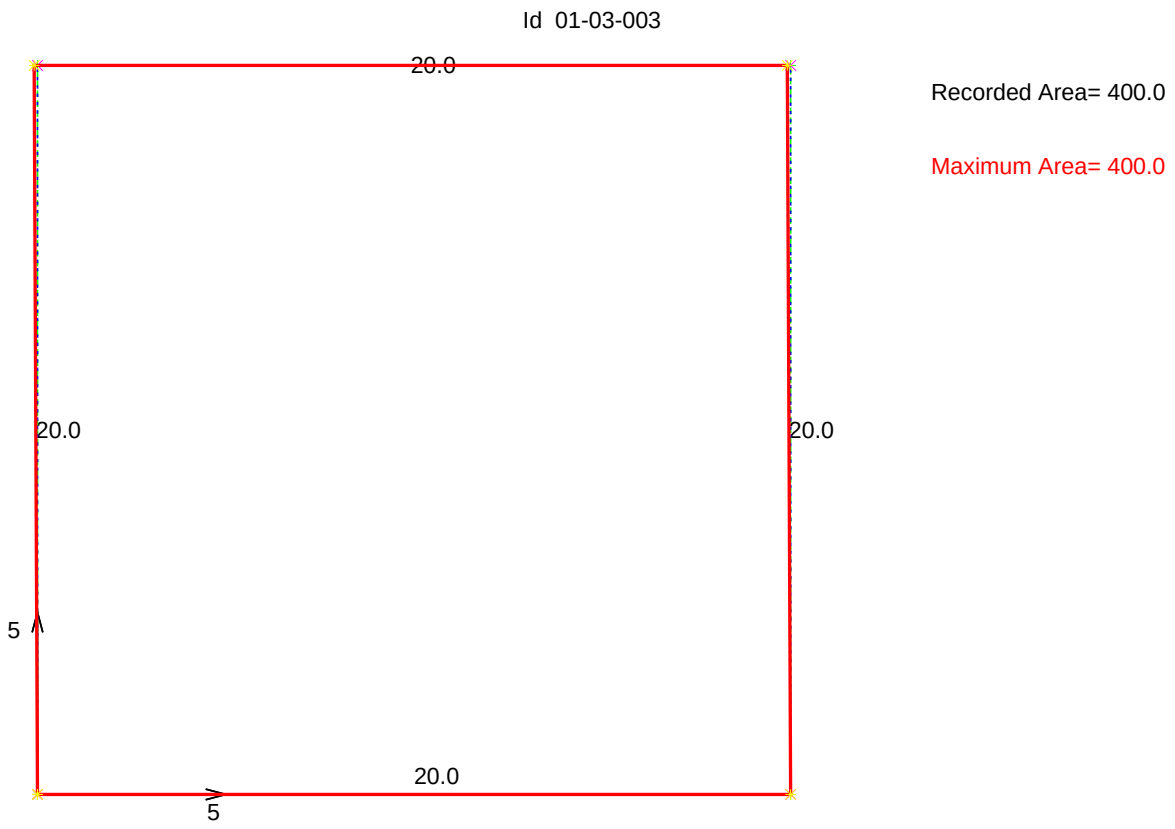
Id 01-03-002

Recorded Area= 73.0

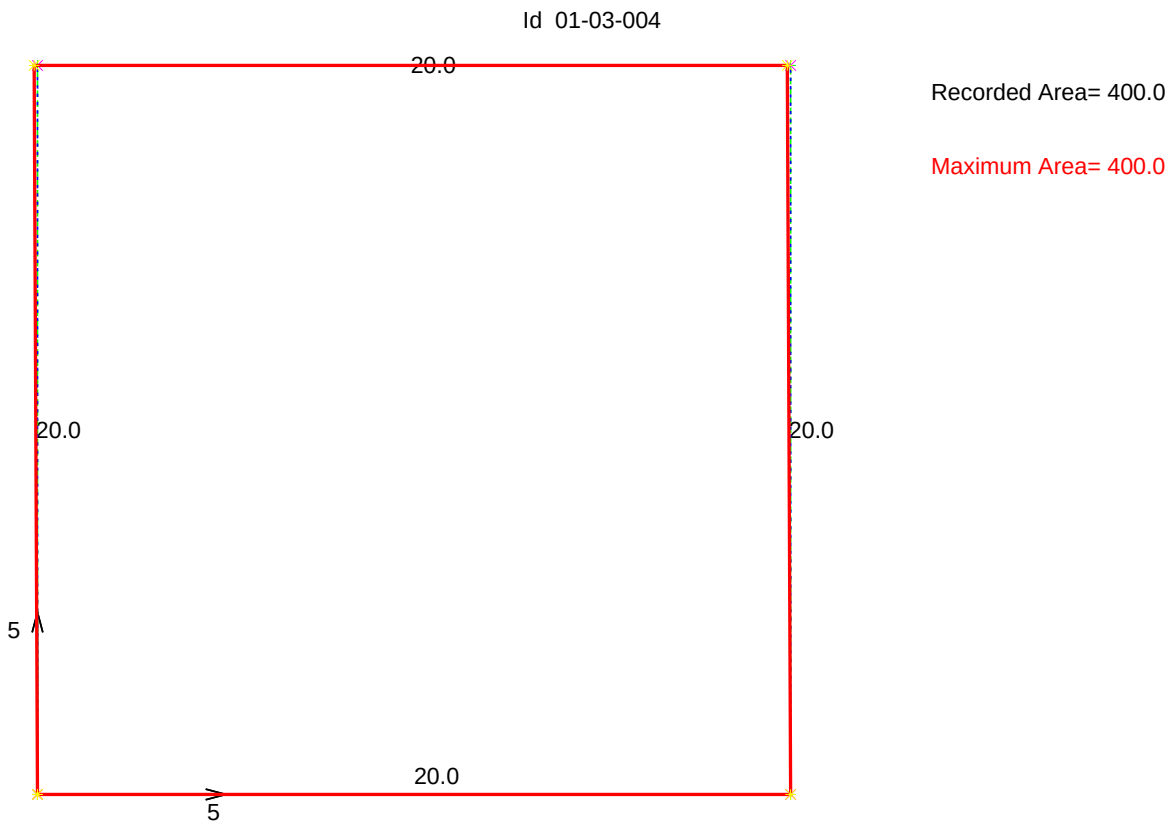
Maximum Area= 71.9



Return to beginning (4)



Return to beginning (4)



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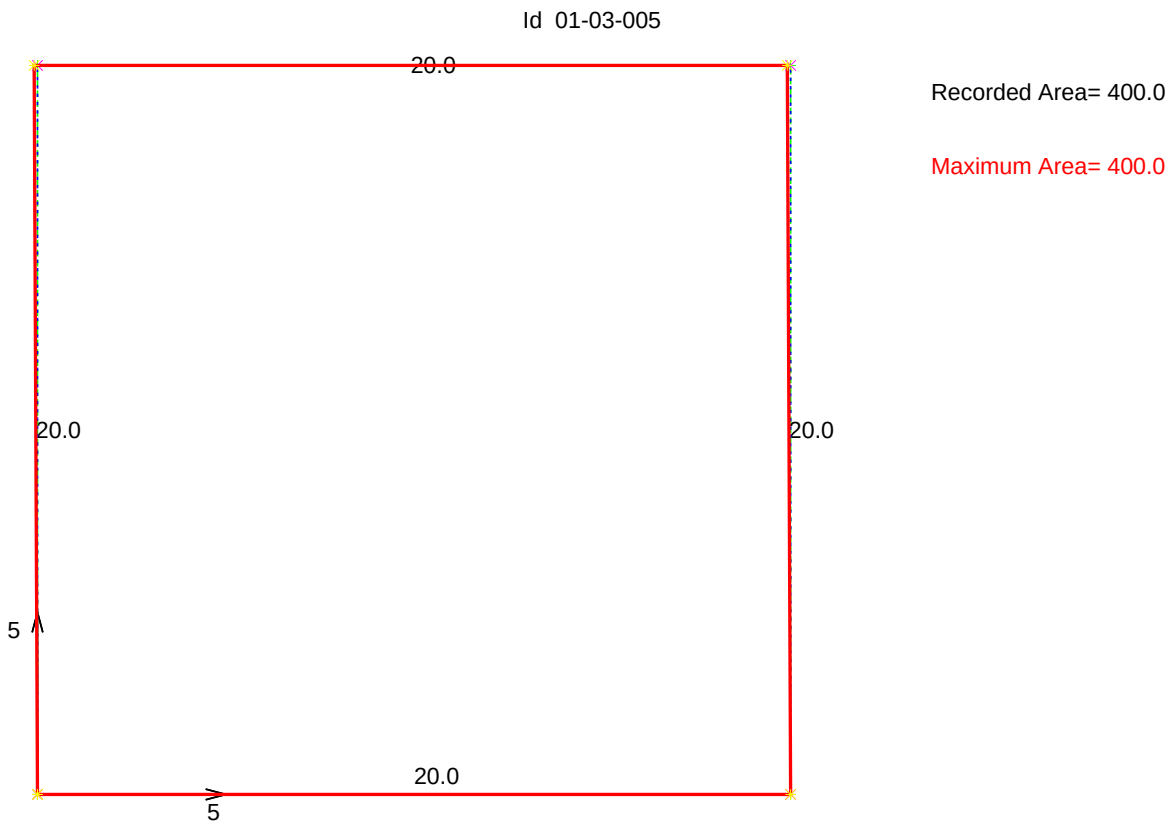
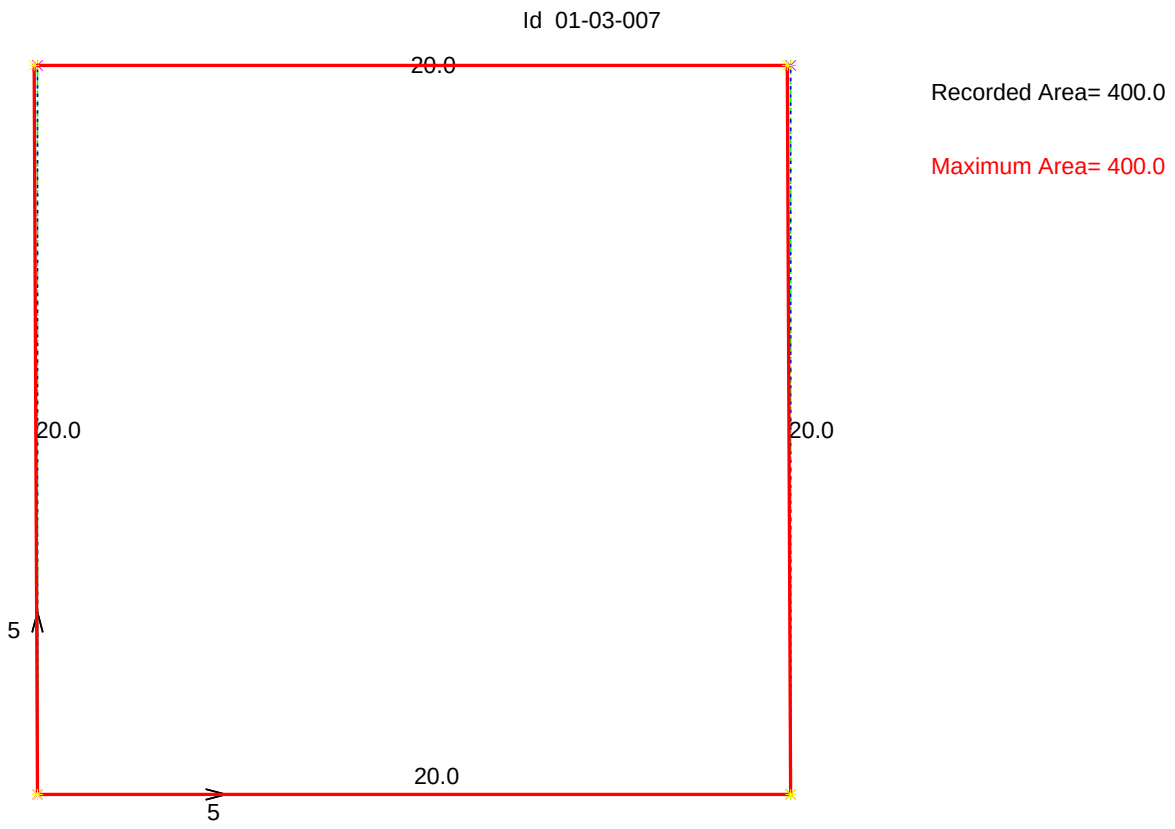


Return to beginning (5)



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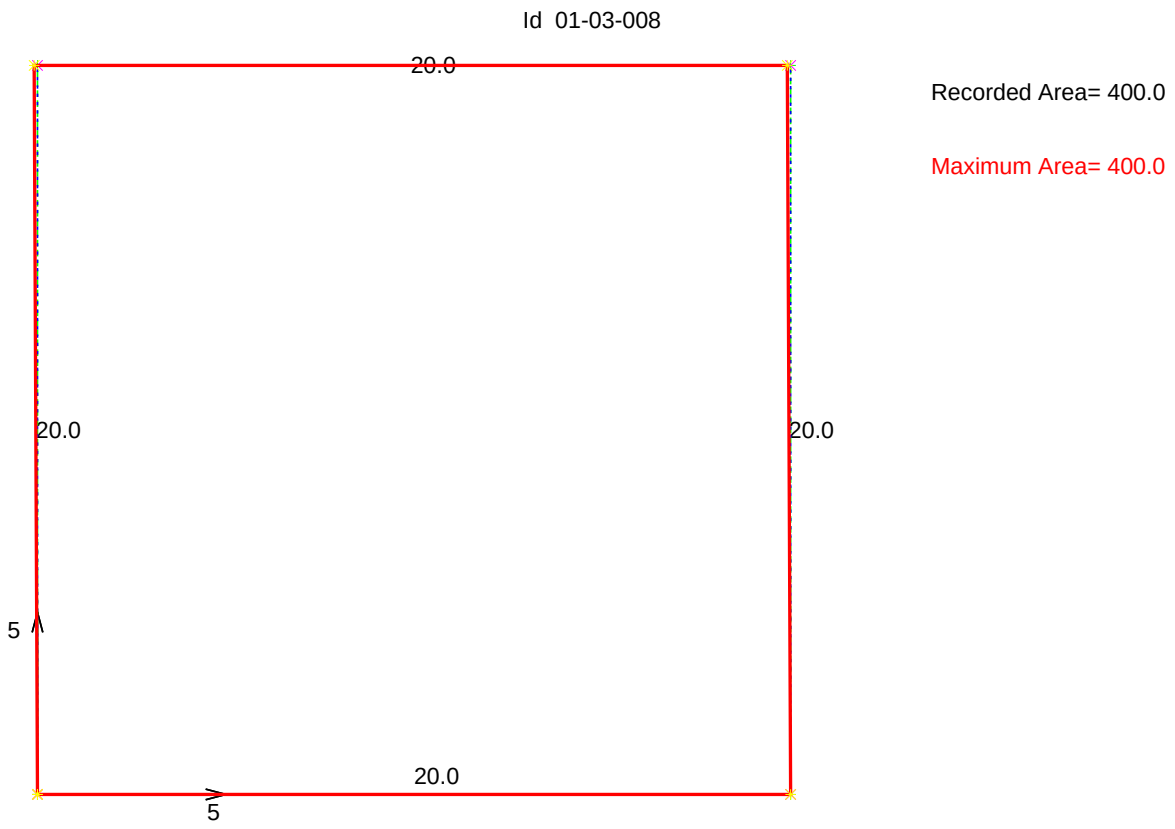
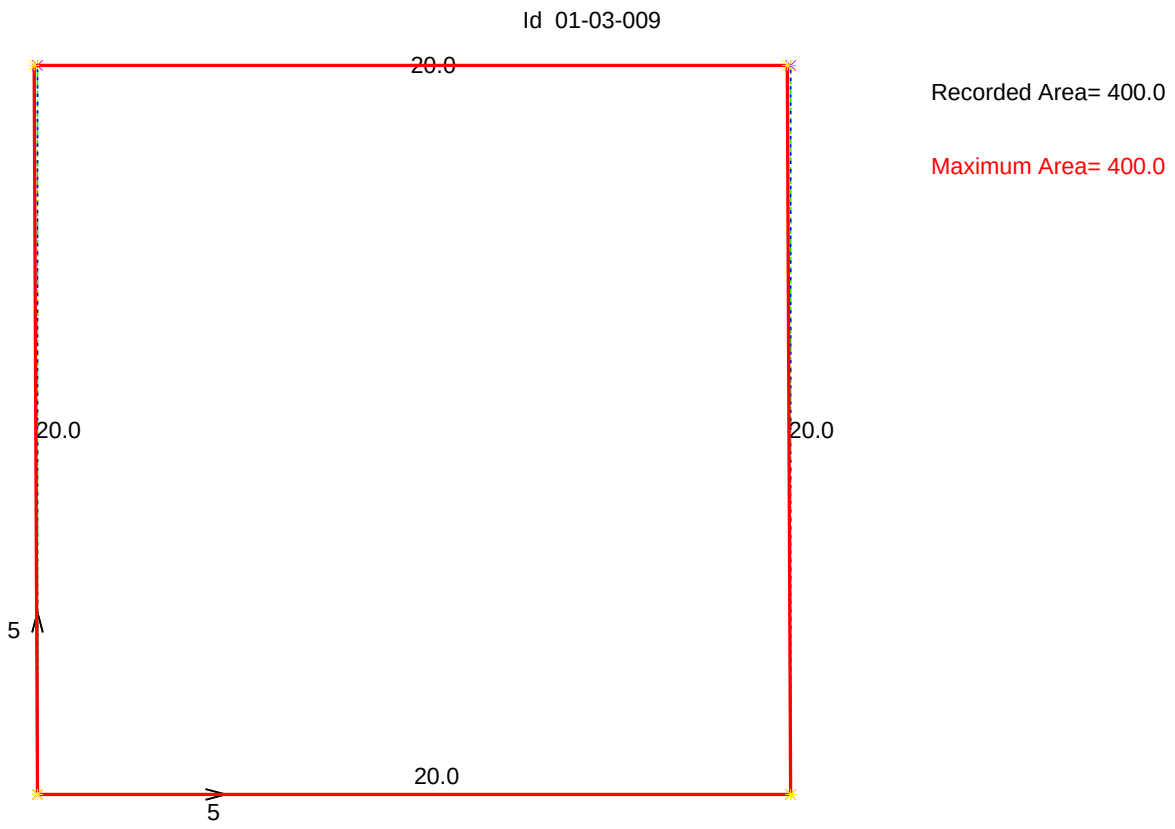
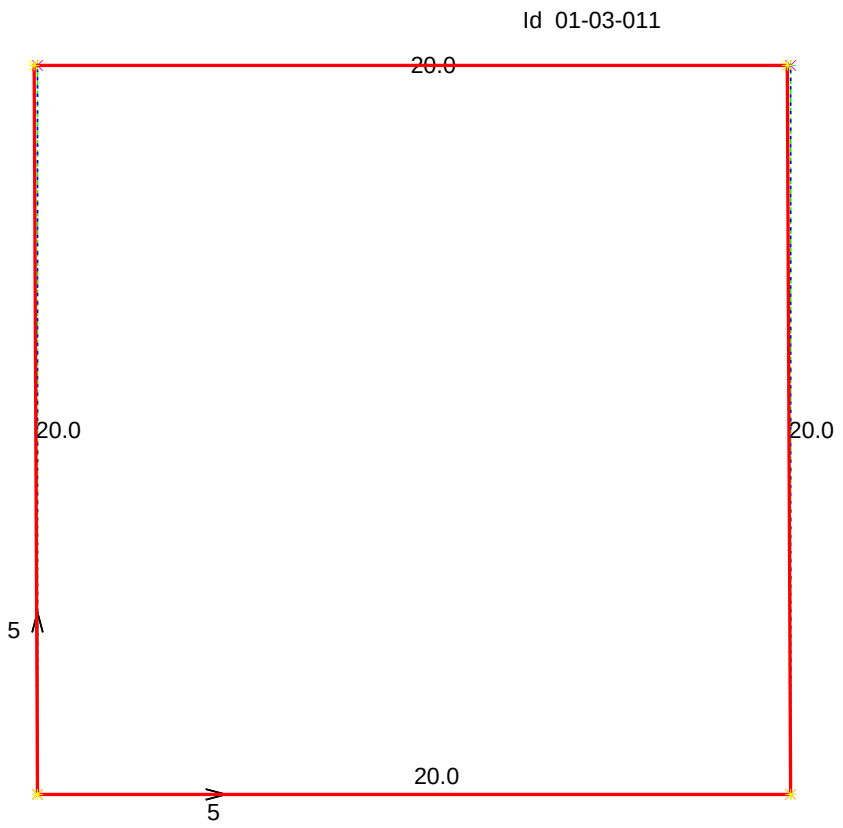


Return to beginning (5)



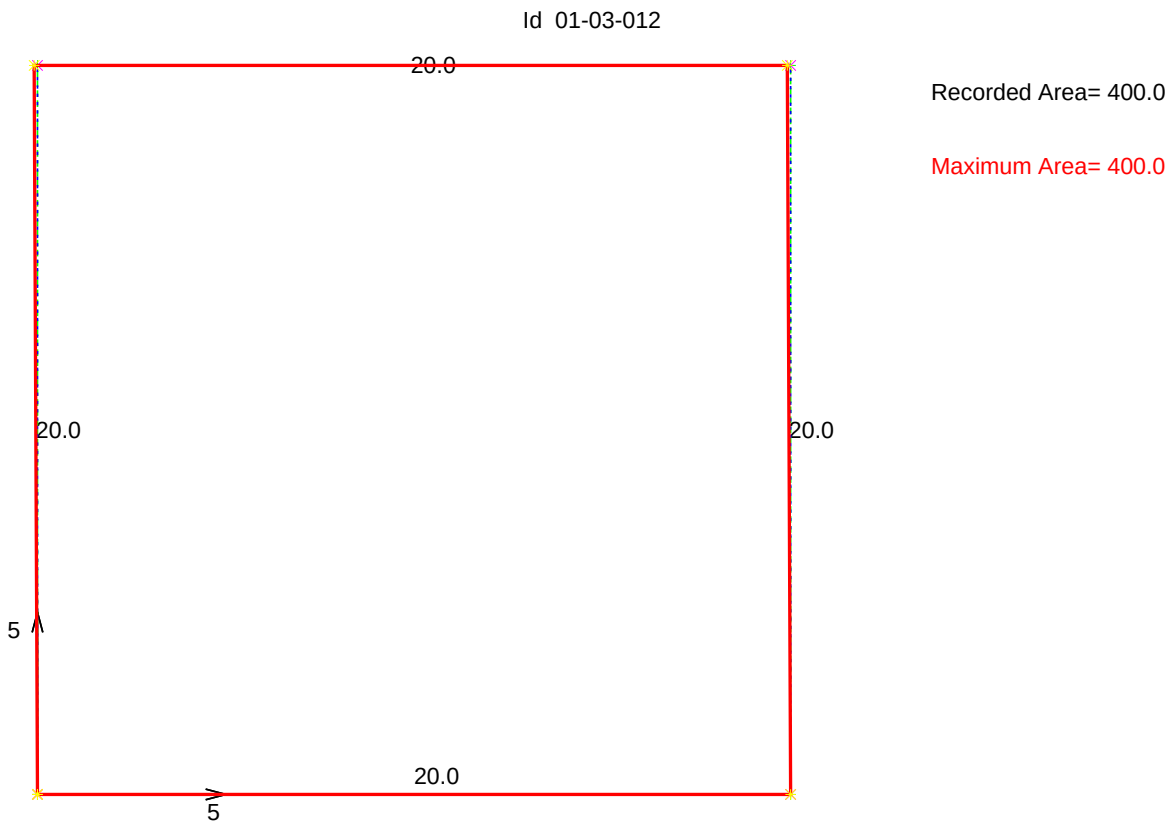
Return to beginning (5)



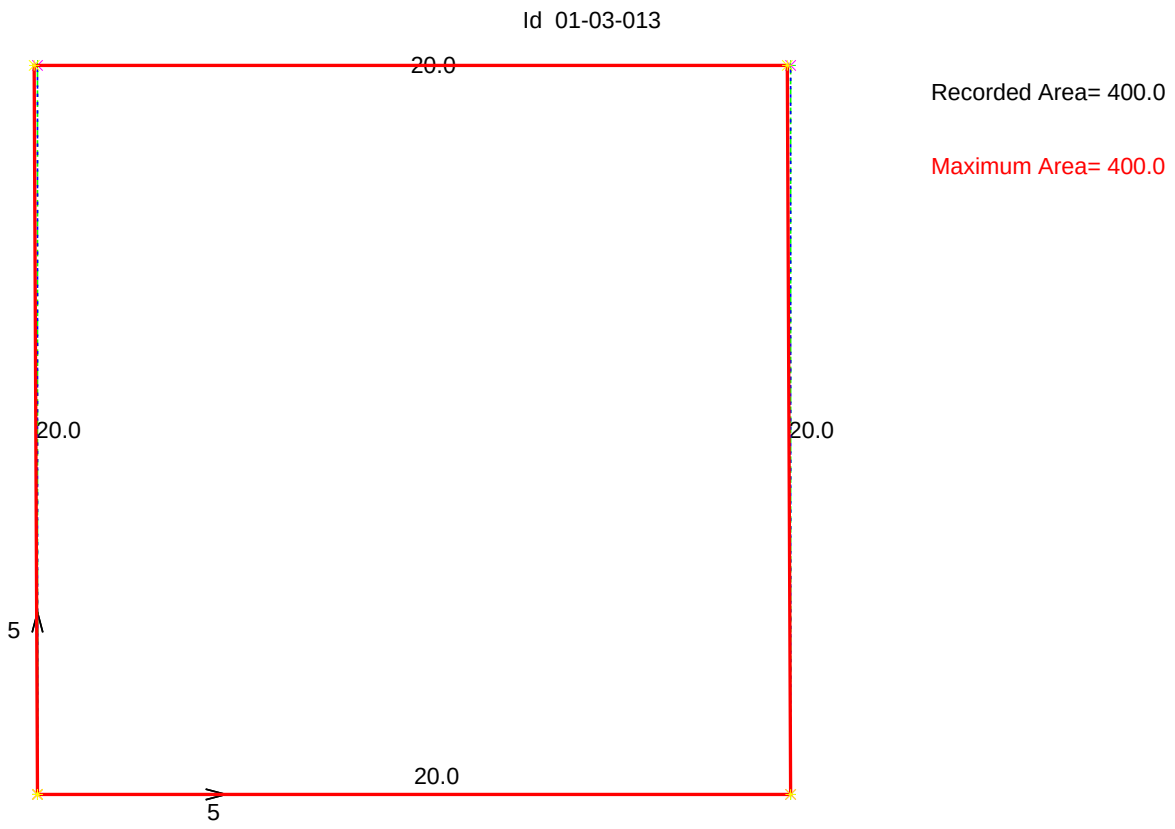
Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (5)



Return to beginning (5)



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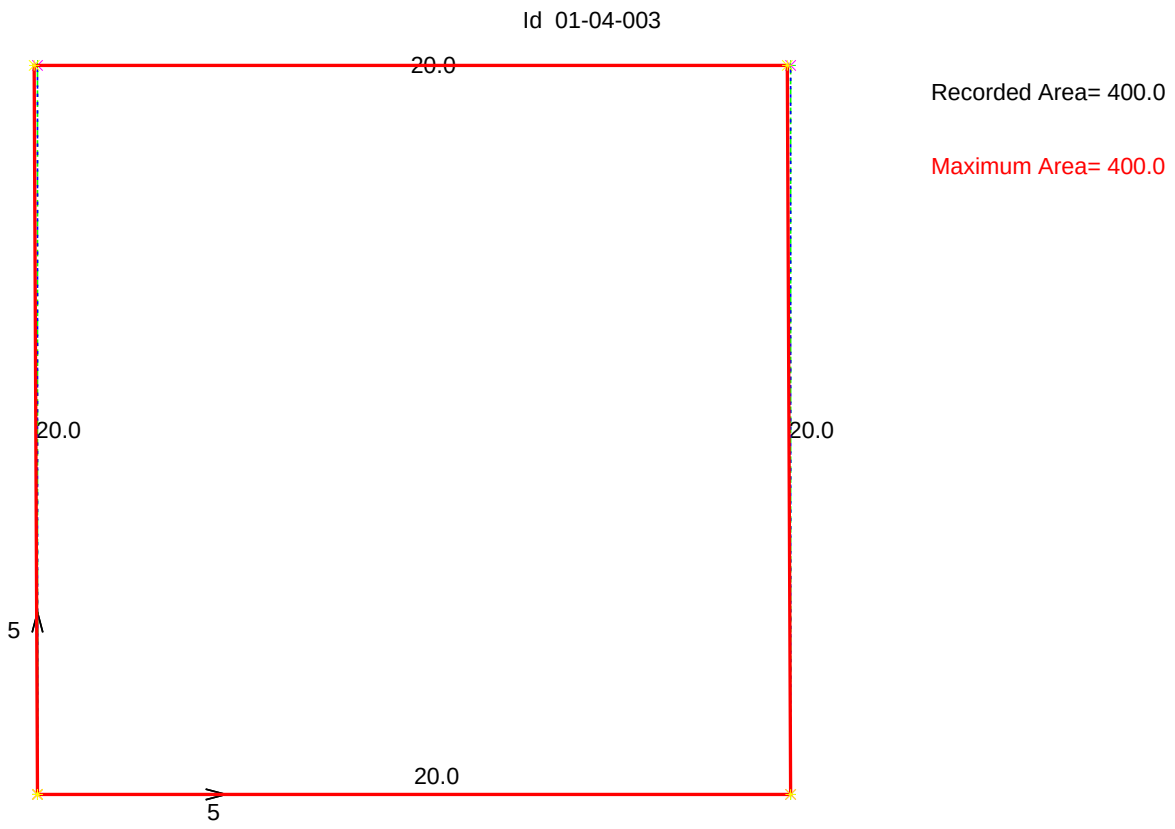
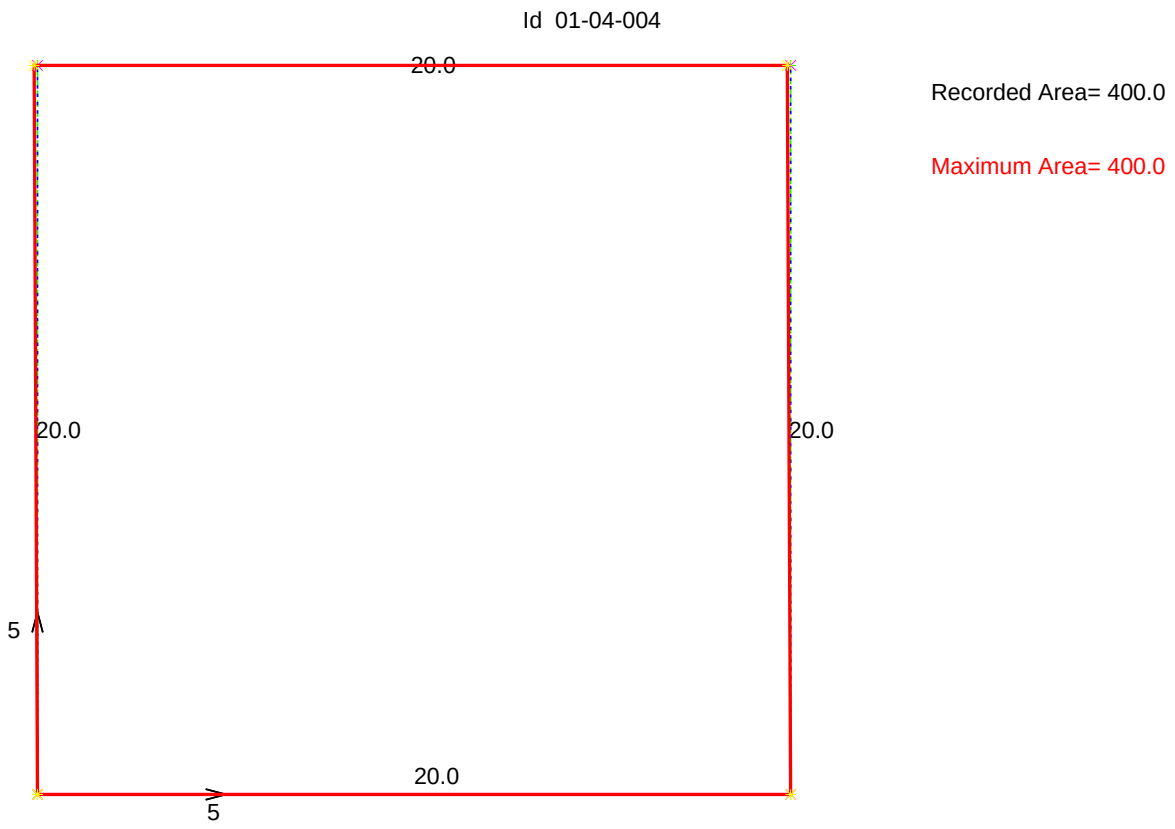


Return to beginning (5)

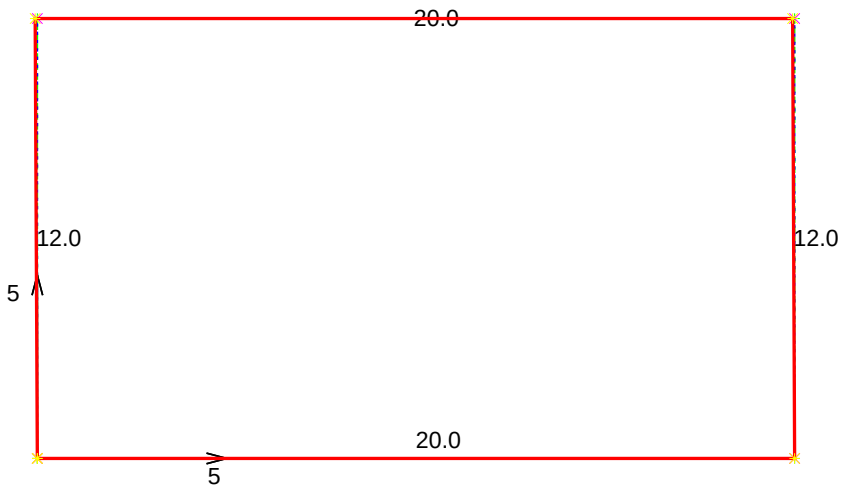


Return to beginning (5)

Id 01-04-005

Recorded Area= 240.0

Maximum Area= 240.0

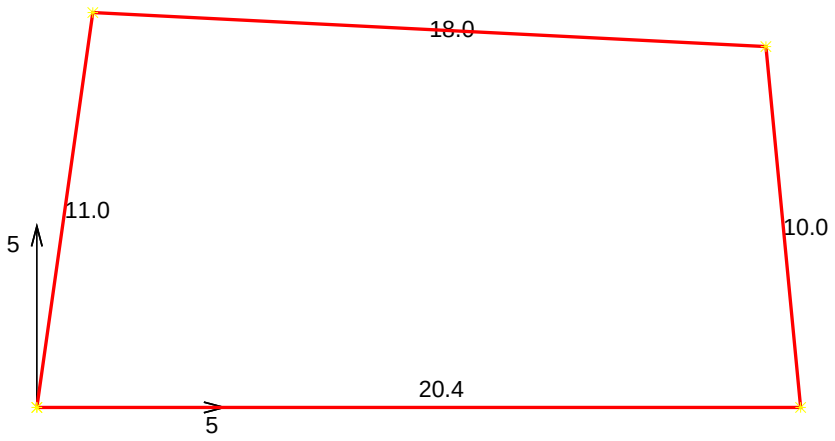


Return to beginning (5)

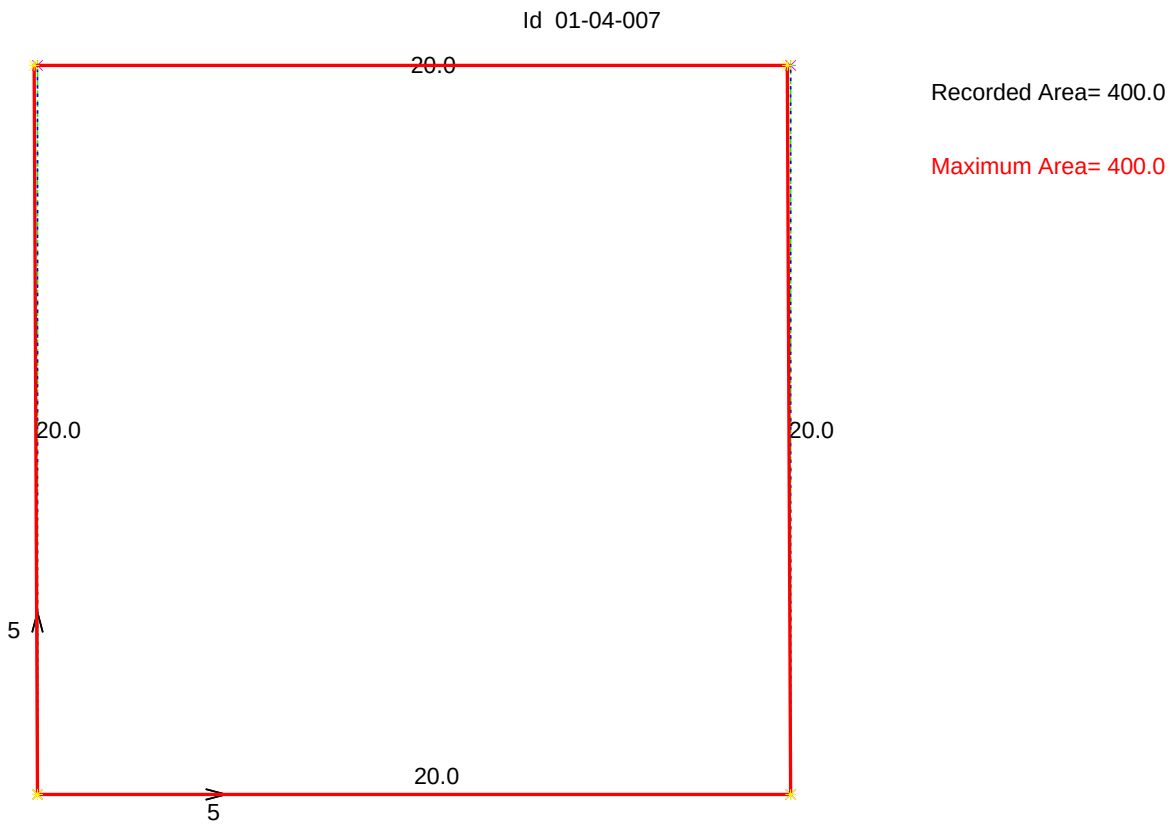
Id 01-04-006

Recorded Area= 208.0

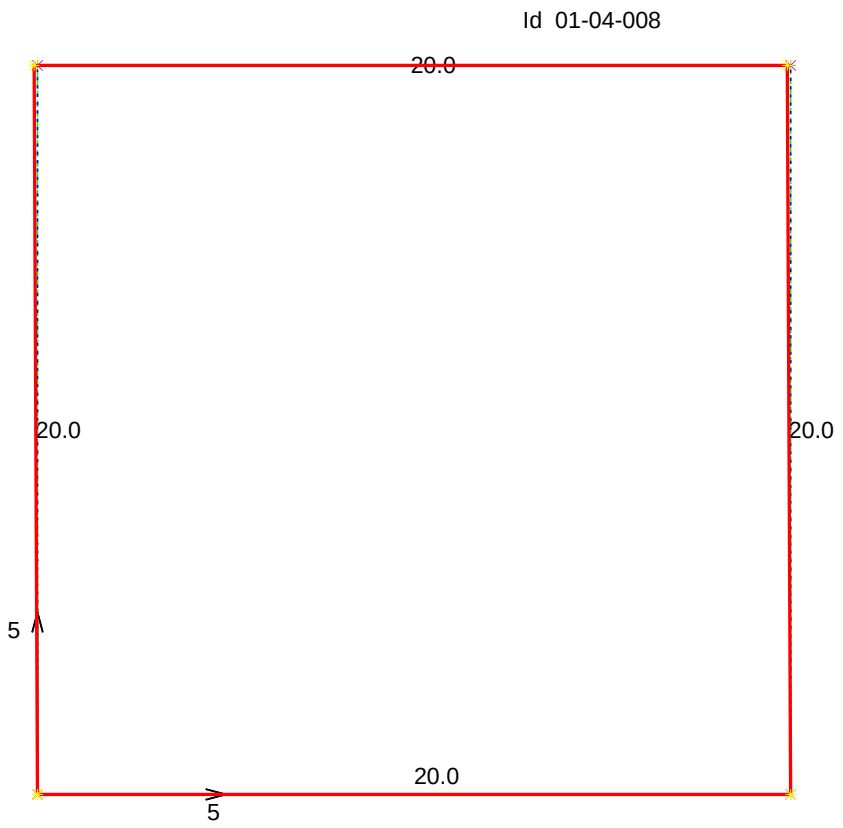
Maximum Area= 200.2



Return to beginning (5)



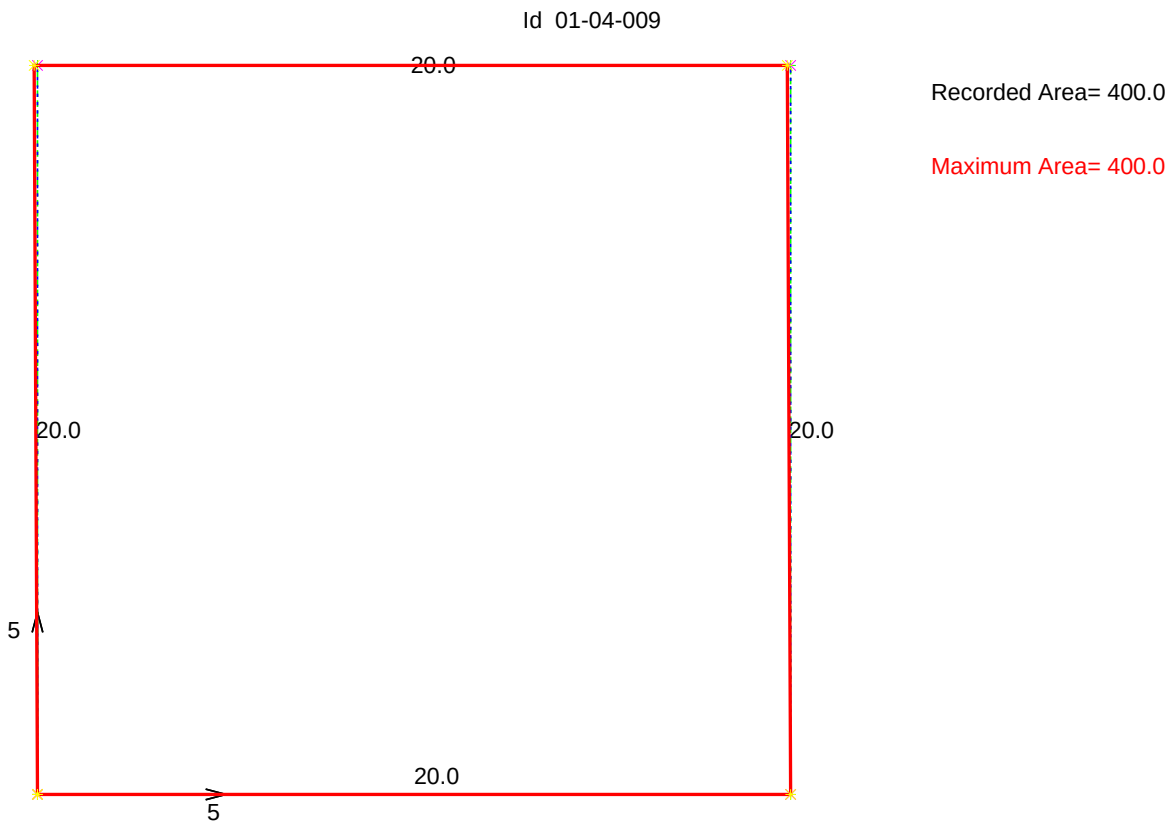
Return to beginning (5)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (5)

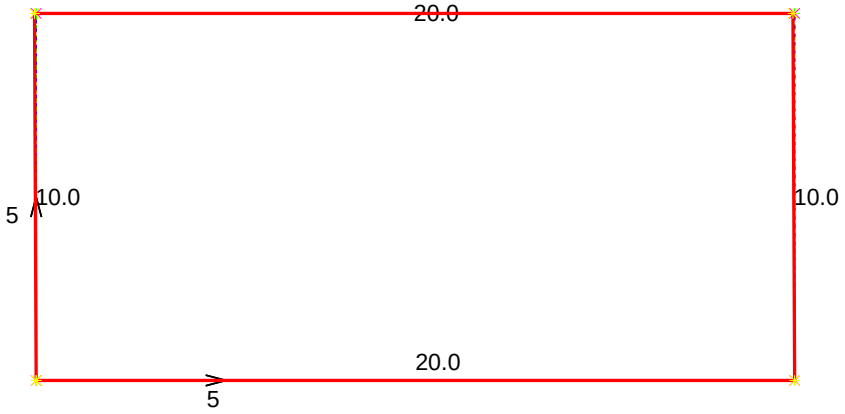


Return to beginning (5)

Id 01-04-010

Recorded Area= 200.0

Maximum Area= 200.0

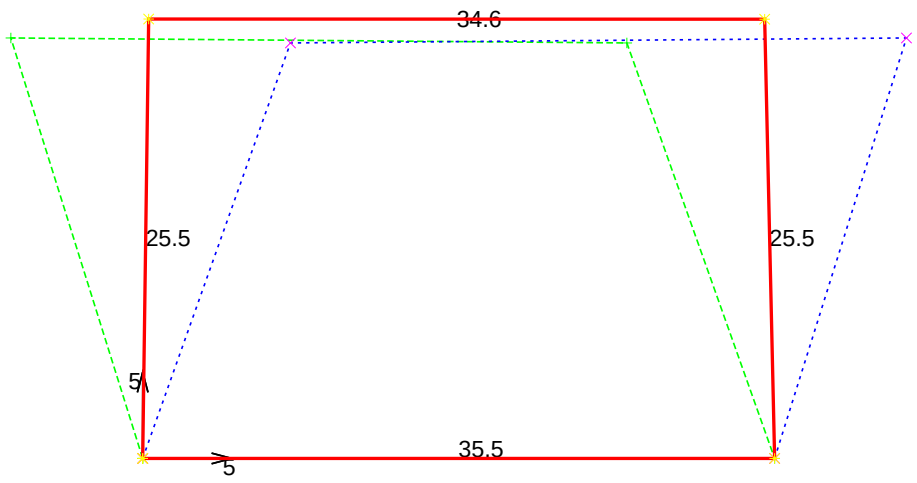


Return to beginning (5)

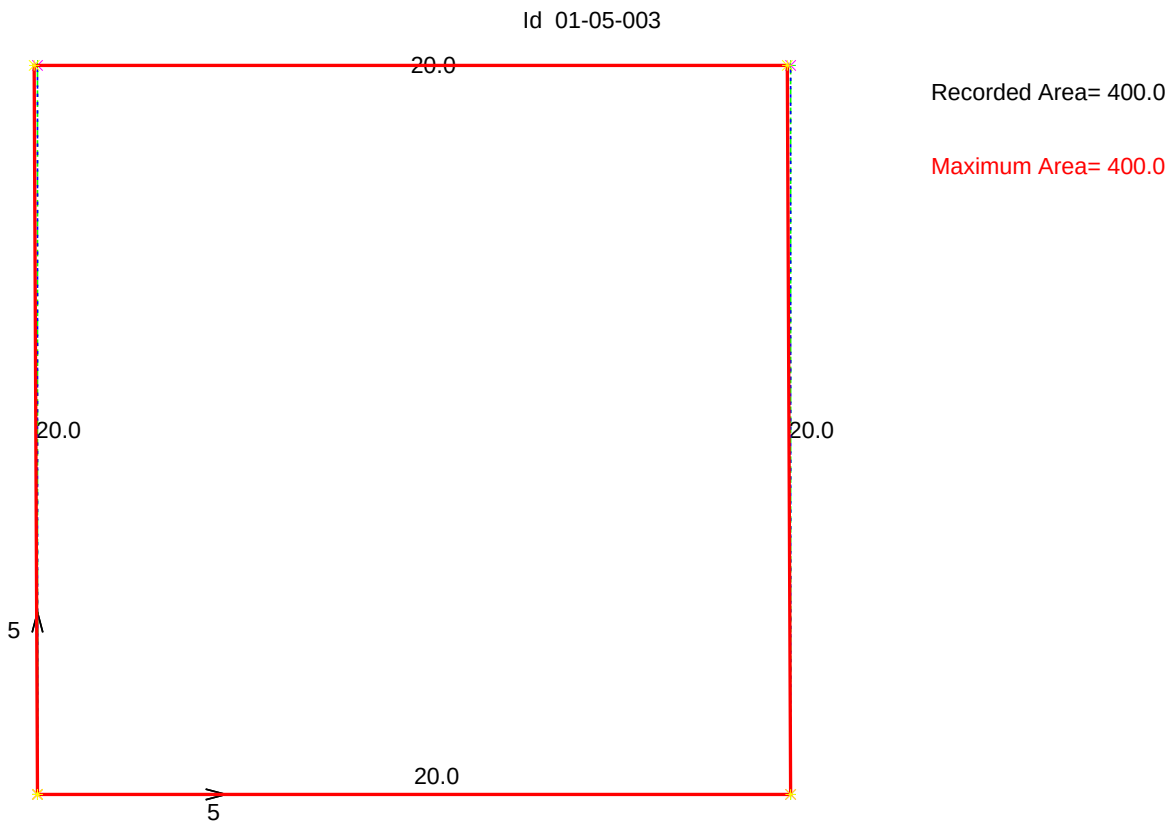
Id 01-04-011

Recorded Area= 849.0

Maximum Area= 893.6



Return to beginning (6)

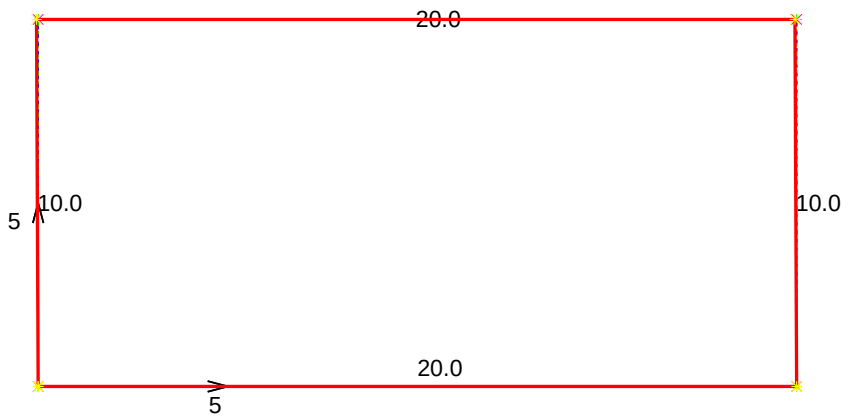


Return to beginning (6)

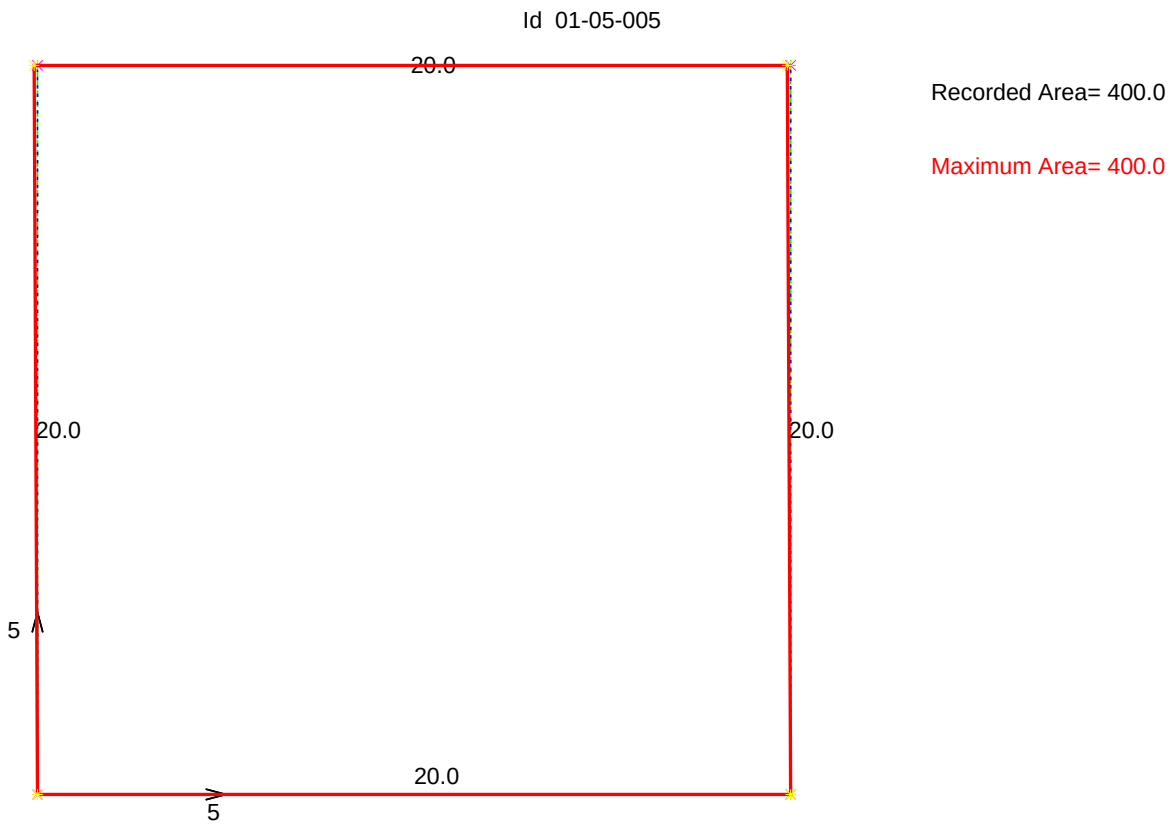
Id 01-05-004

Recorded Area= 200.0

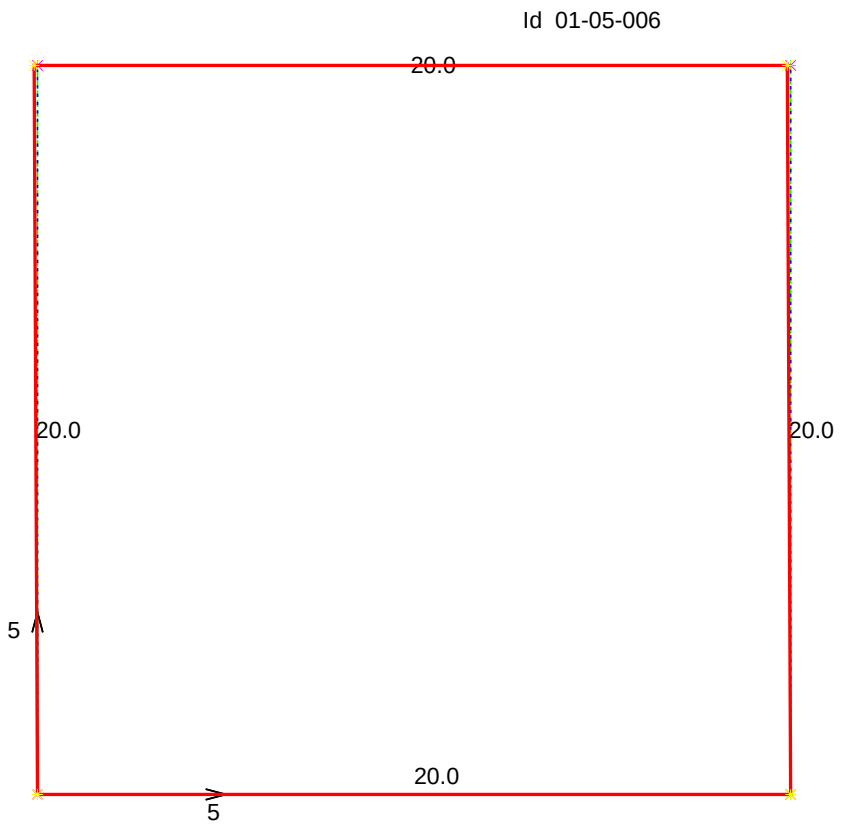
Maximum Area= 200.0



Return to beginning (6)



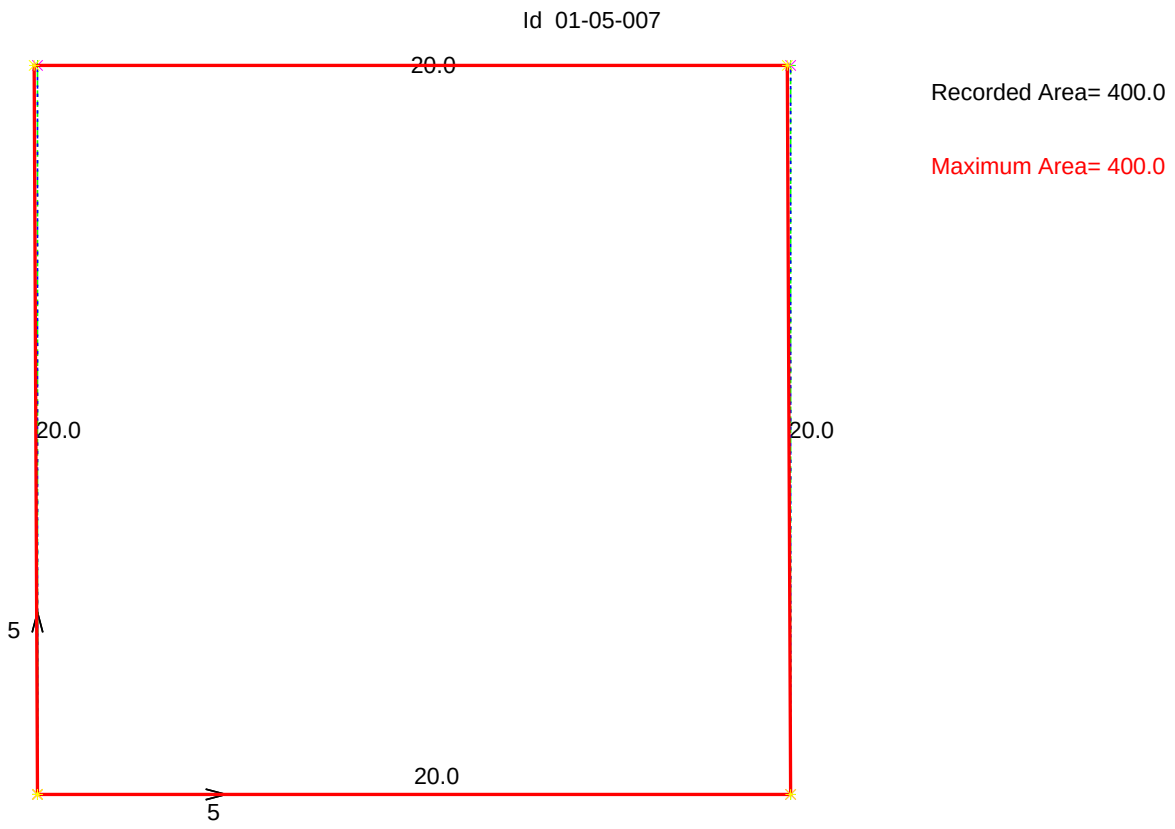
Return to beginning (6)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (6)

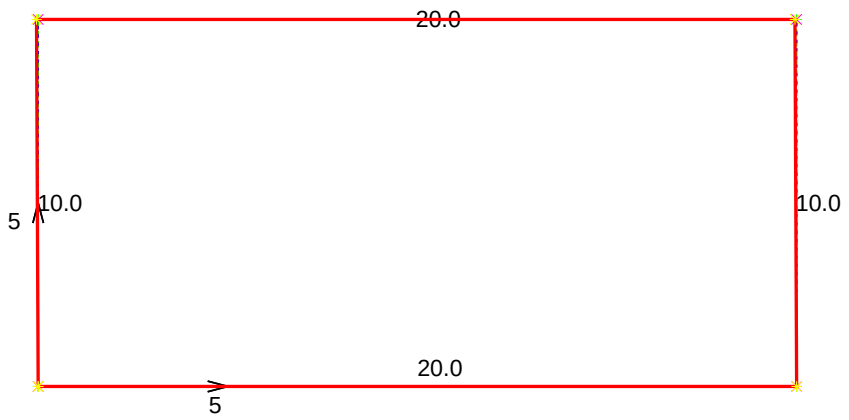


Return to beginning (6)

Id 01-05-008

Recorded Area= 200.0

Maximum Area= 200.0

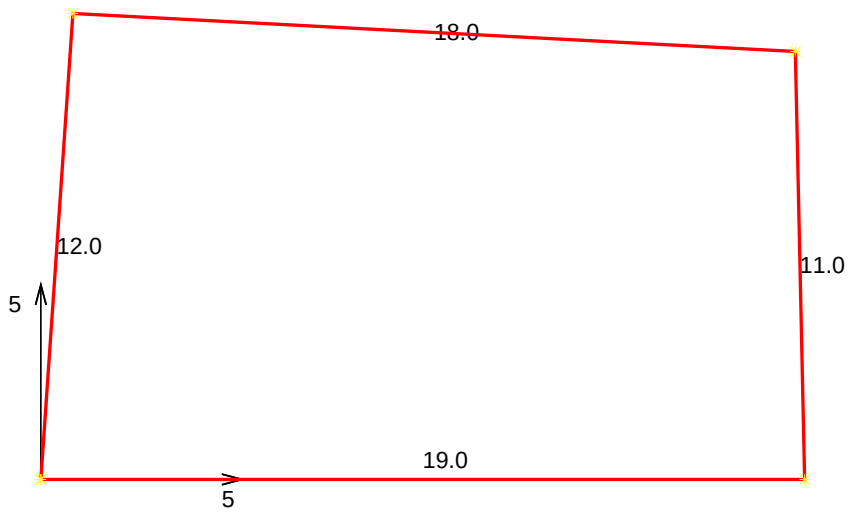


Return to beginning (6)

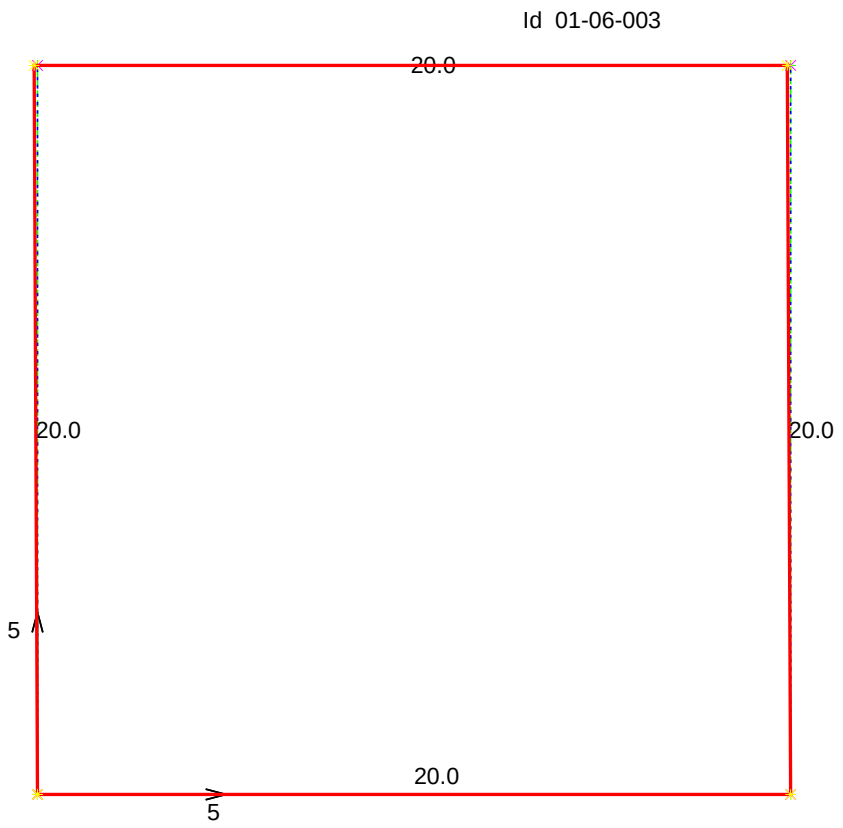
Id 01-06-002

Recorded Area= 222.0

Maximum Area= 212.5



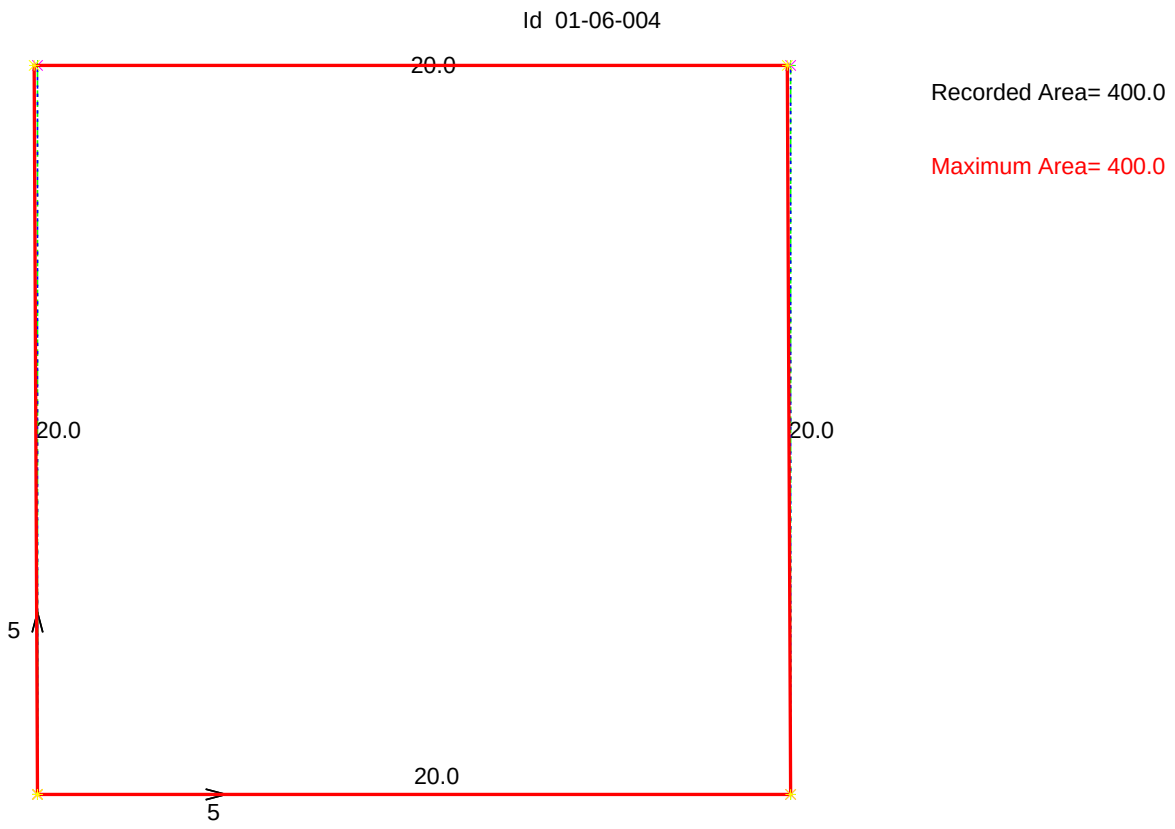
Return to beginning (6)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (6)

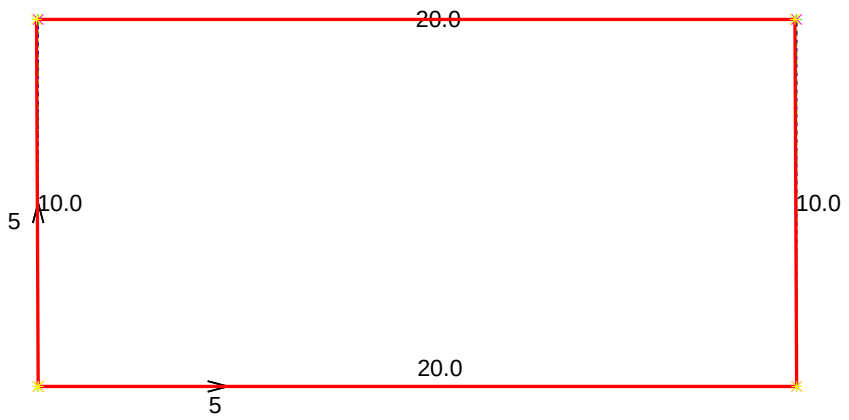


Return to beginning (6)

Id 01-06-005

Recorded Area= 200.0

Maximum Area= 200.0

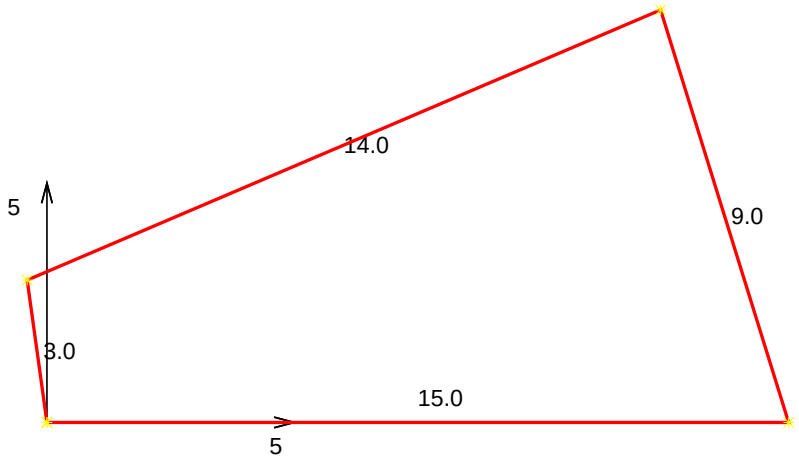


Return to beginning (6)

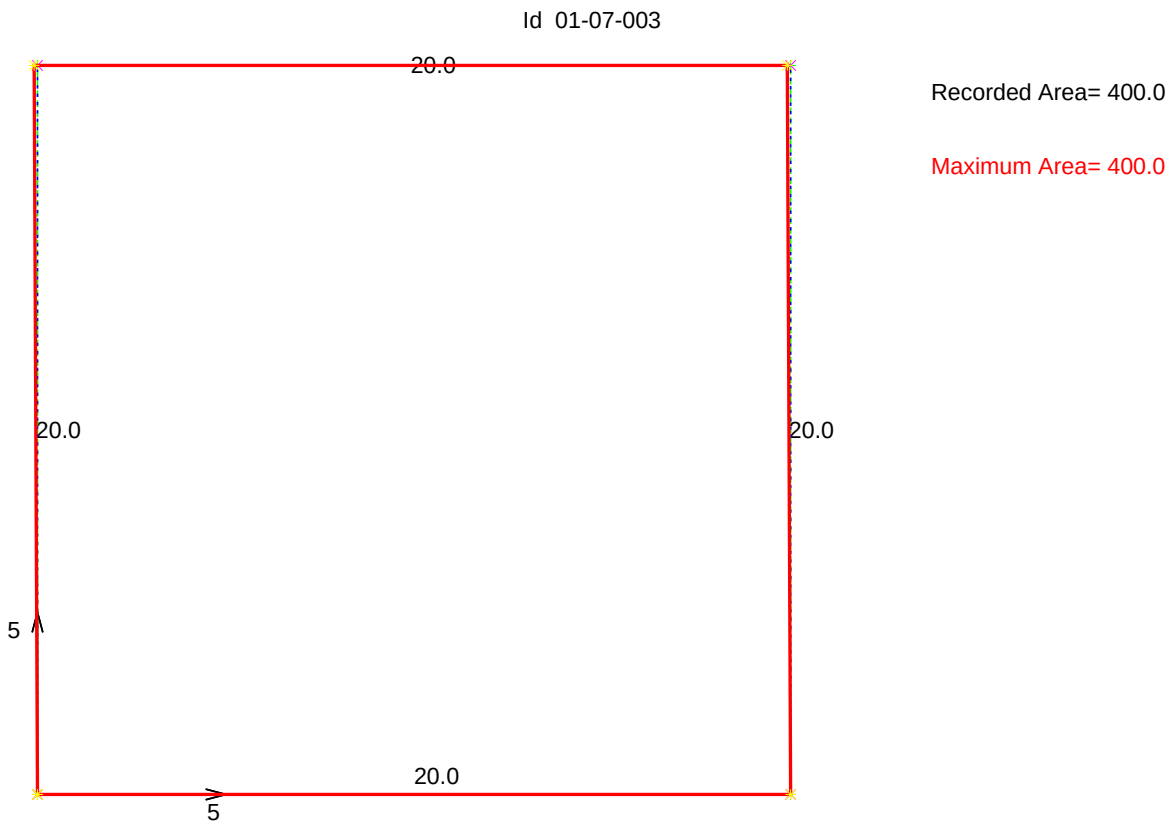
Id 01-07-001

Recorded Area= 95.0

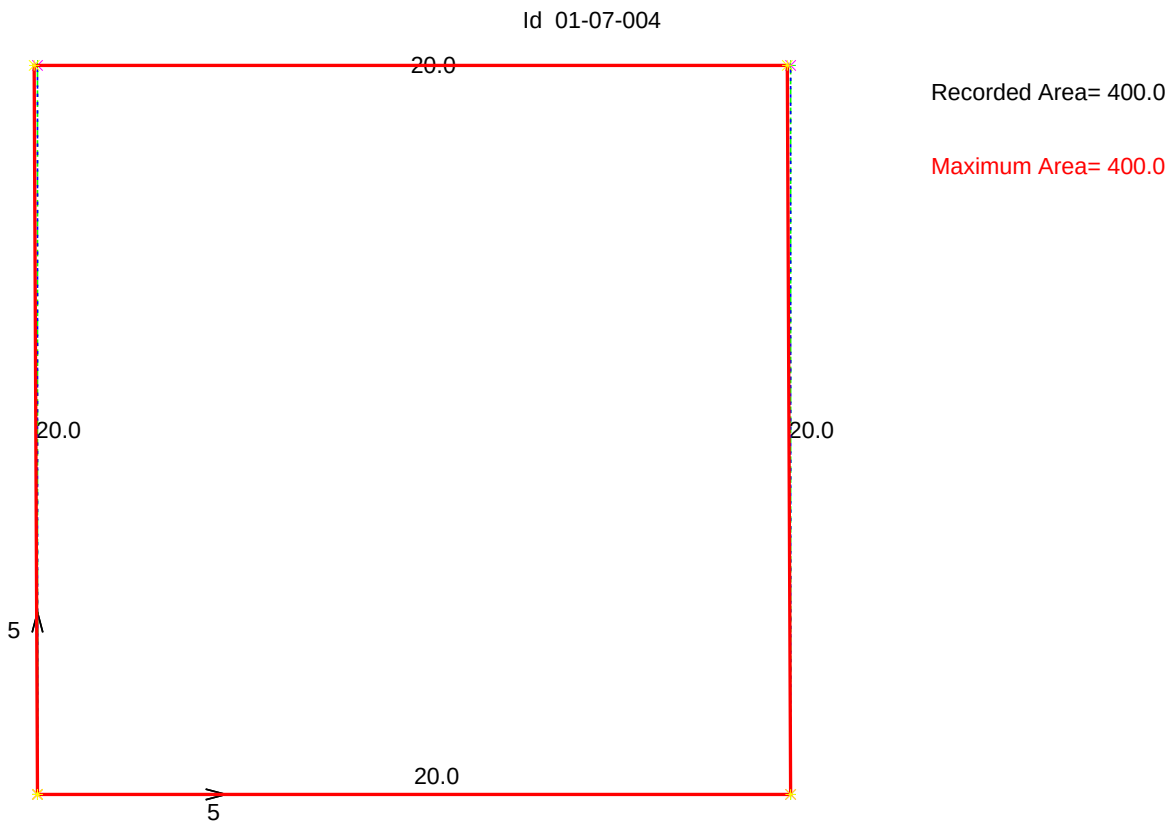
Maximum Area= 84.8



Return to beginning (6)



Return to beginning (6)

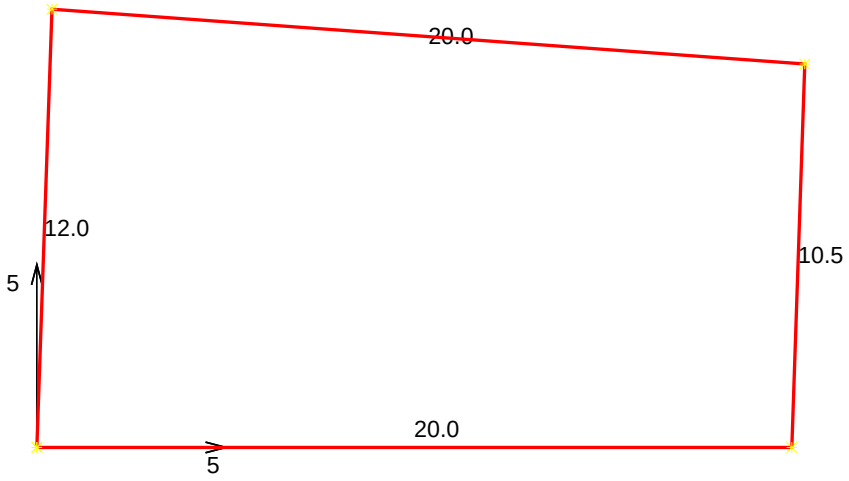


Return to beginning (6)

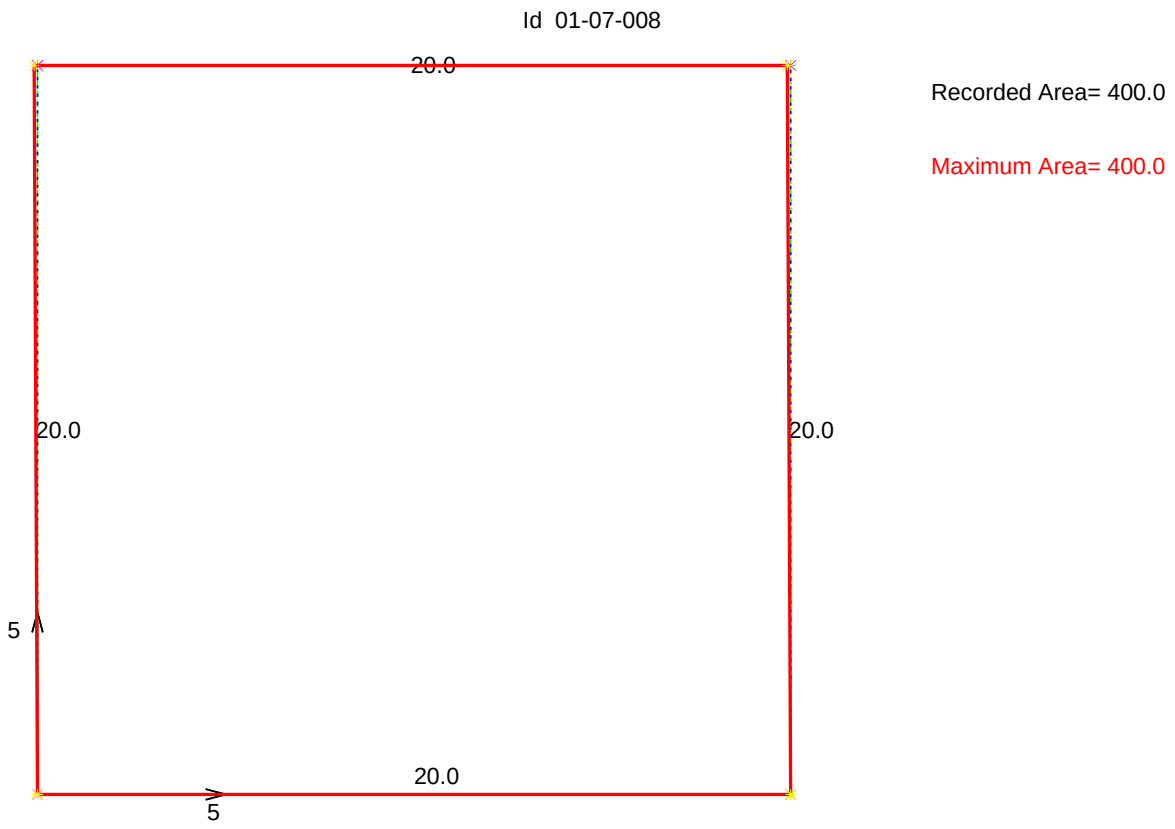
Id 01-07-005

Recorded Area= 240.0

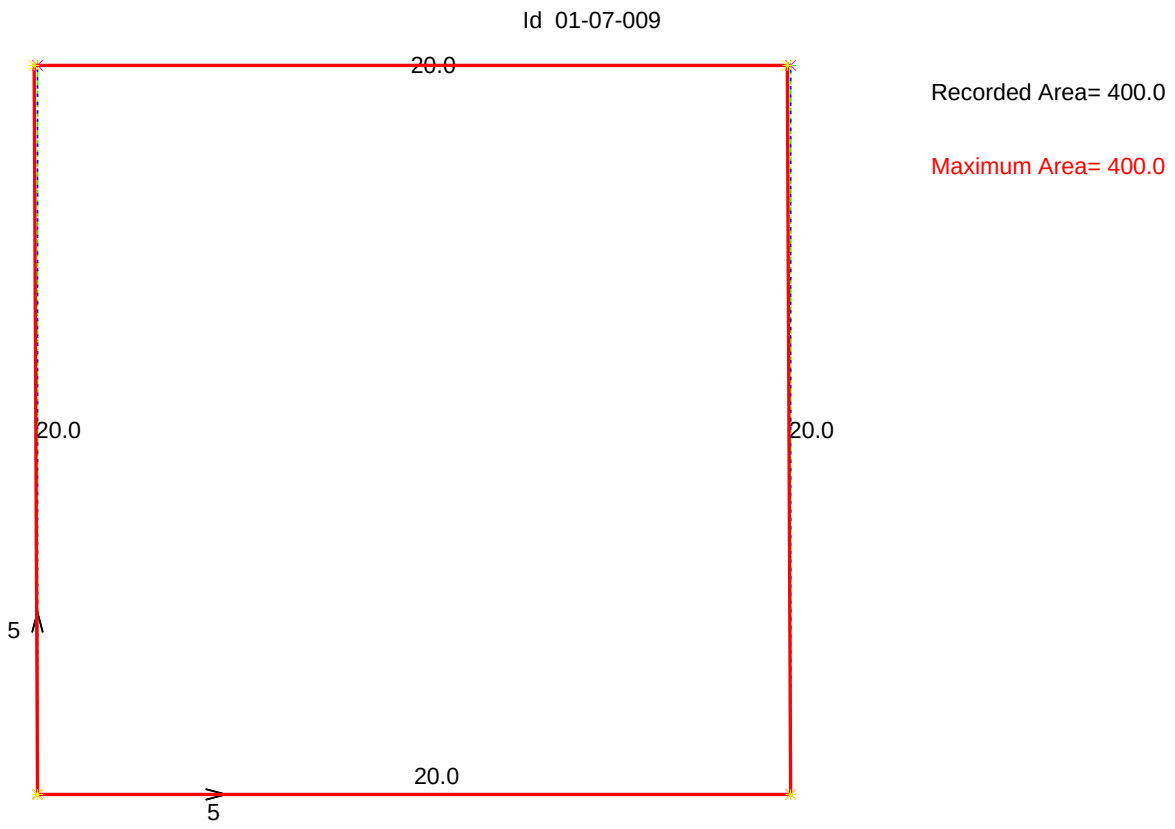
Maximum Area= 224.8



Return to beginning (6)



Return to beginning (7)

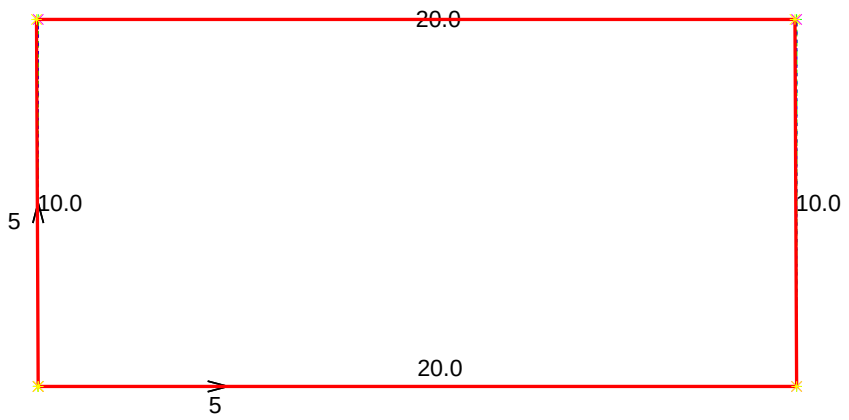


Return to beginning (7)

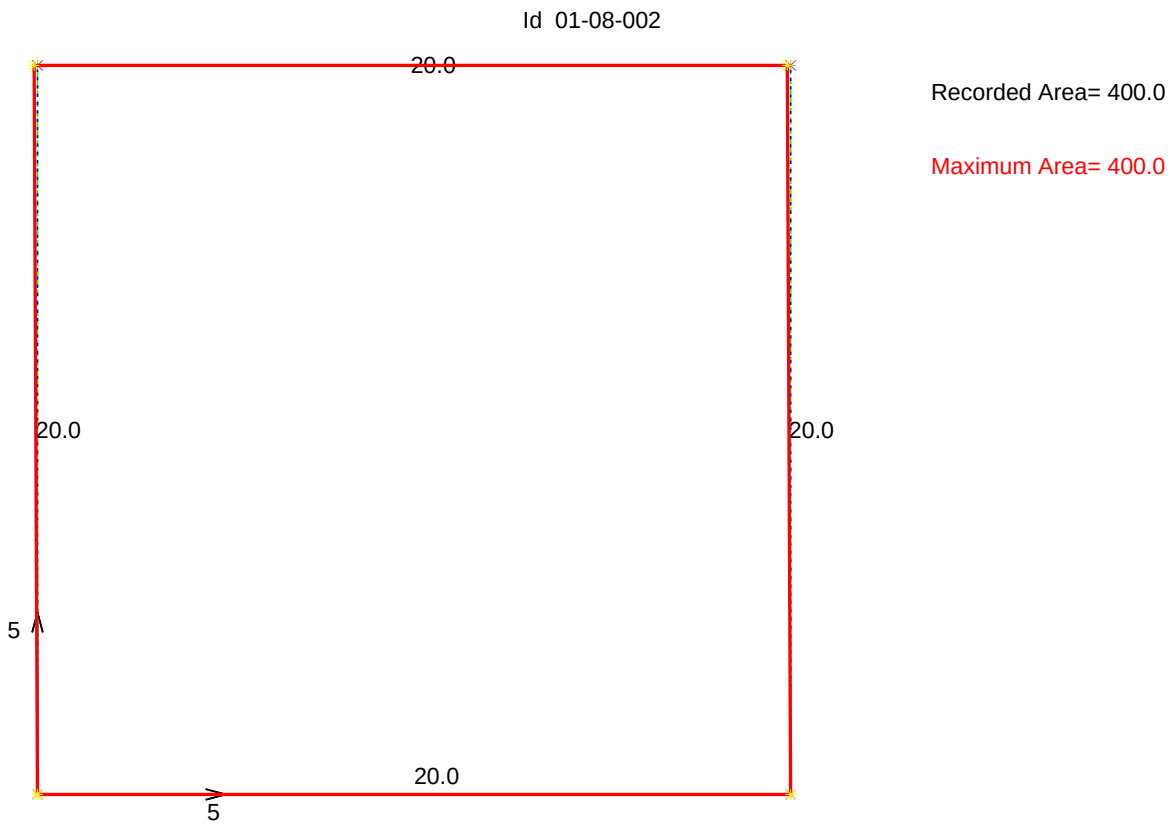
Id 01-07-010

Recorded Area= 200.0

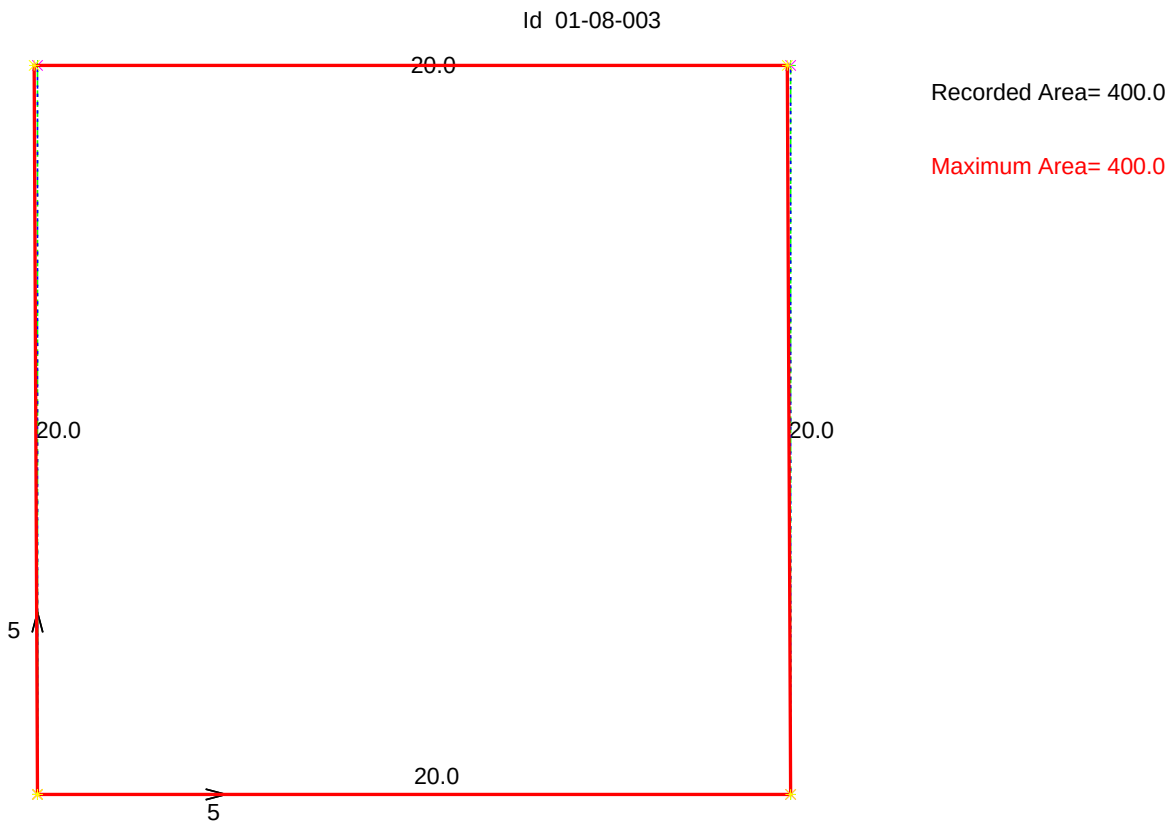
Maximum Area= 200.0



Return to beginning (7)



Return to beginning (7)

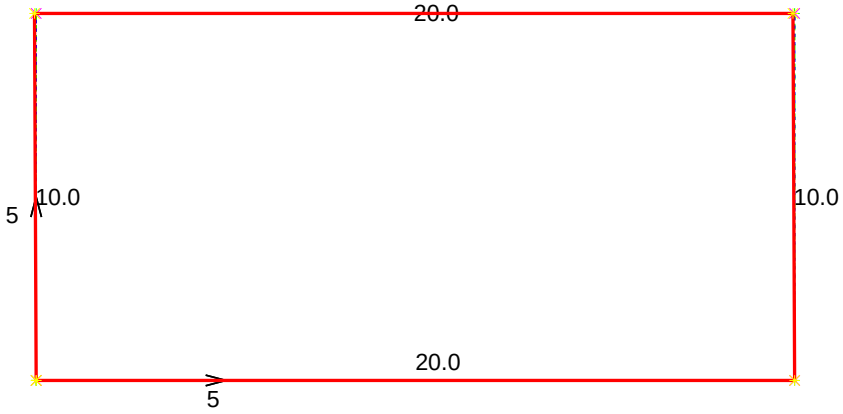


Return to beginning (7)

Id 01-08-004

Recorded Area= 200.0

Maximum Area= 200.0

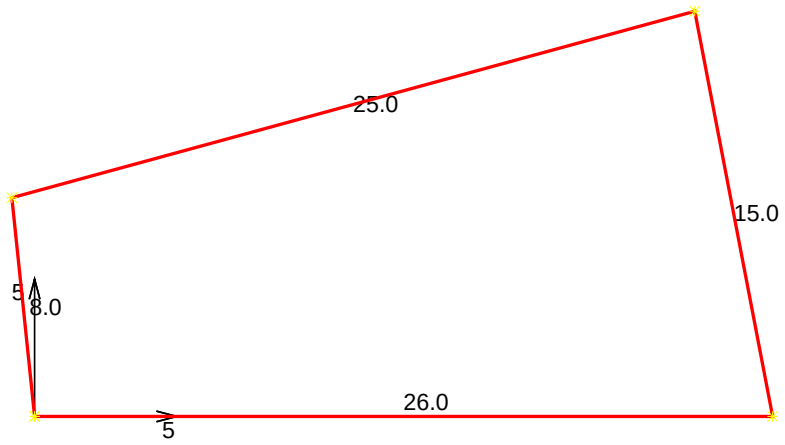


Return to beginning (7)

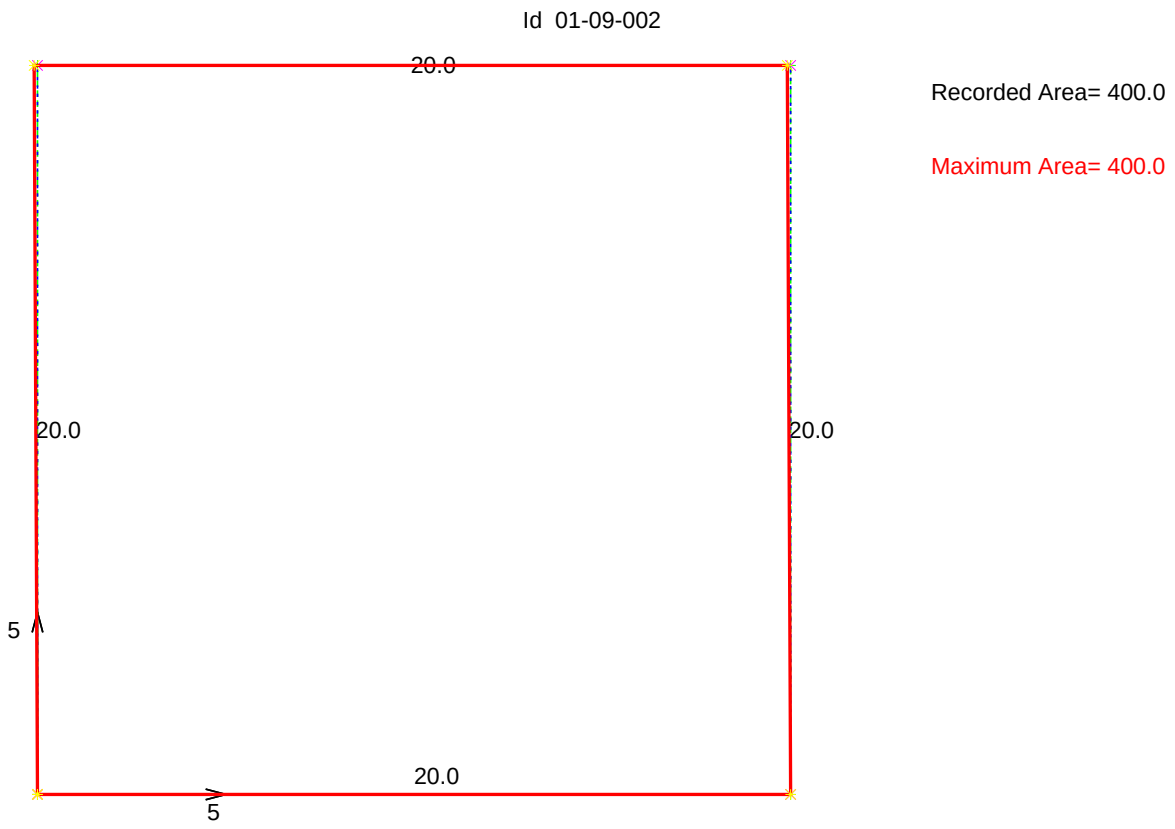
Id 01-09-001

Recorded Area= 293.0

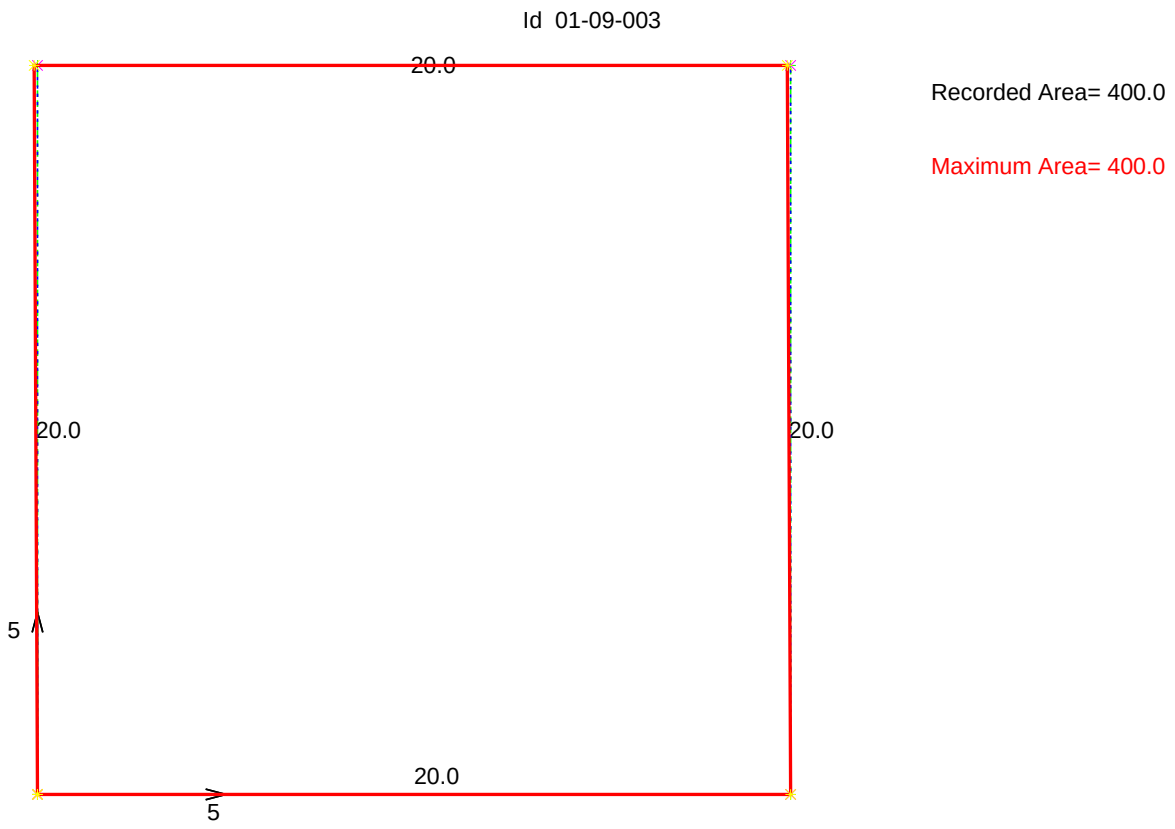
Maximum Area= 290.2



Return to beginning (7)



Return to beginning (7)

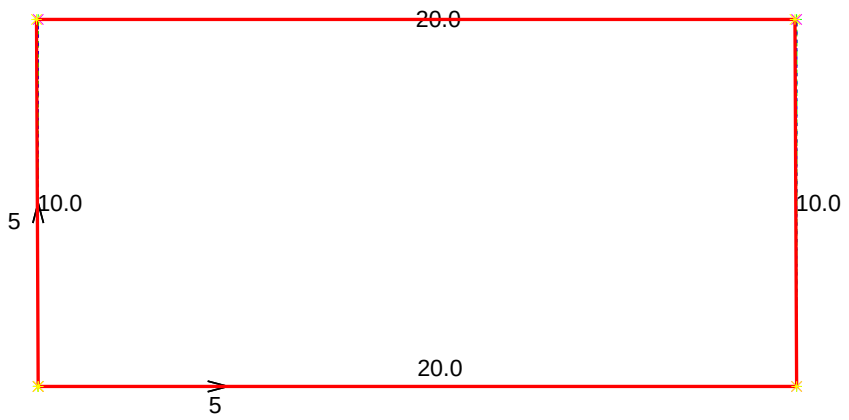


Return to beginning (7)

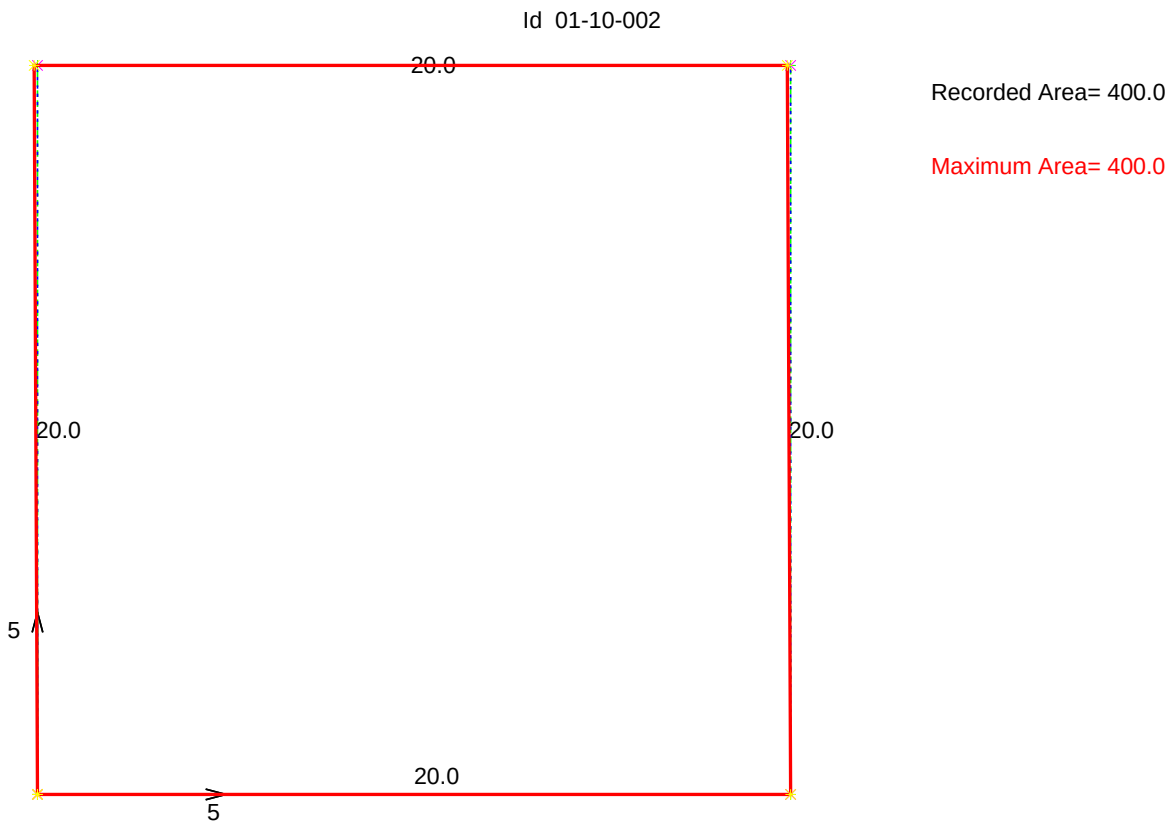
Id 01-09-004

Recorded Area= 200.0

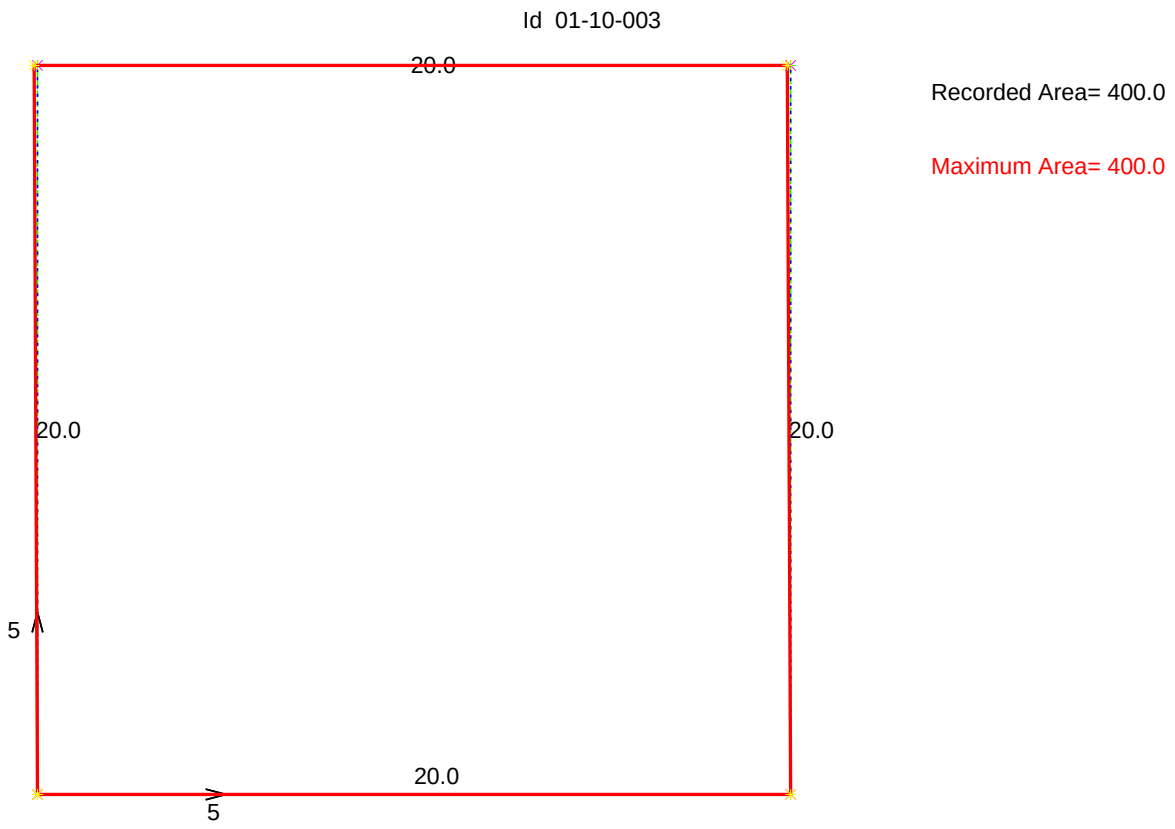
Maximum Area= 200.0



Return to beginning (7)



Return to beginning (7)

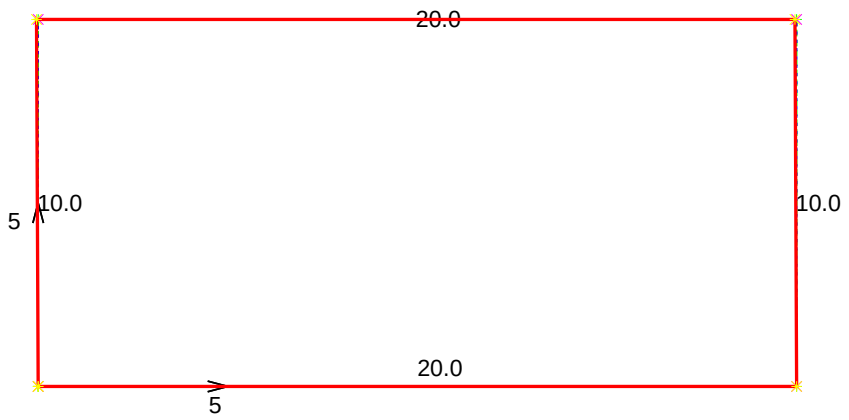


Return to beginning (7)

Id 01-10-004

Recorded Area= 200.0

Maximum Area= 200.0

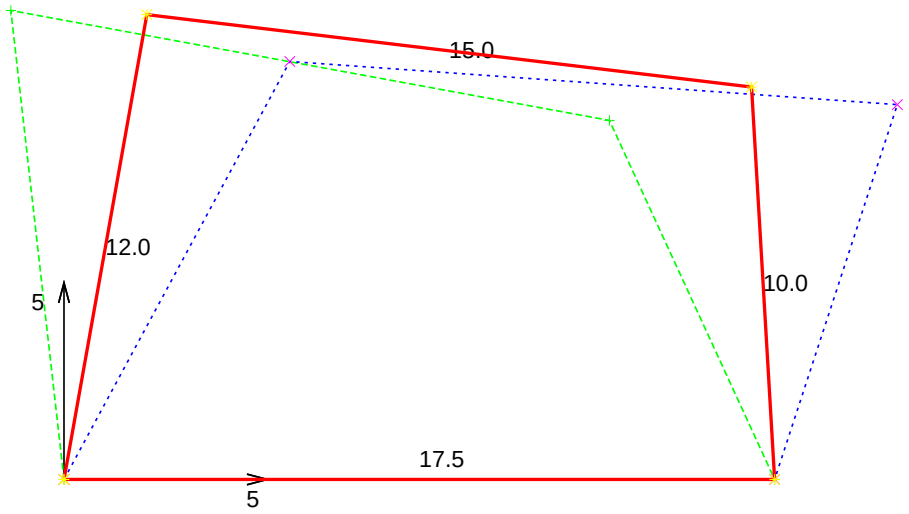


Return to beginning (7)

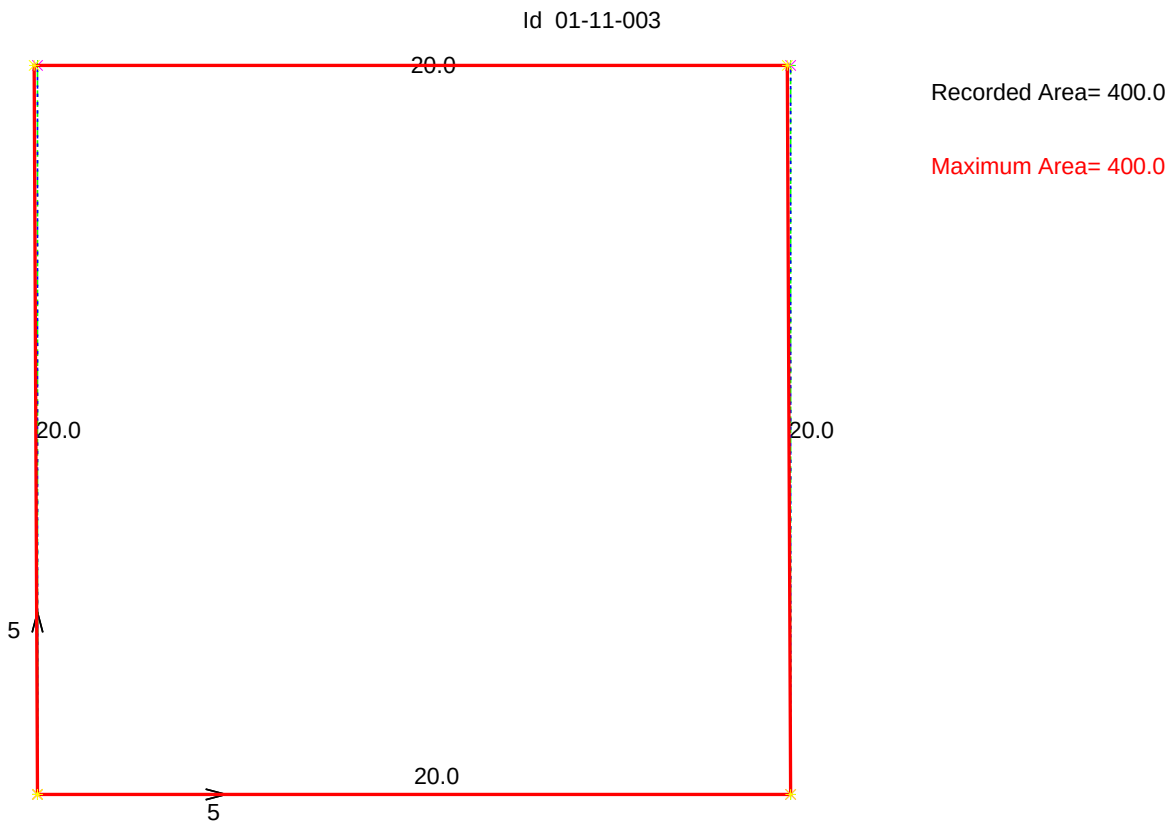
Id 01-11-002

Recorded Area= 166.0

Maximum Area= 177.3



Return to beginning (7)



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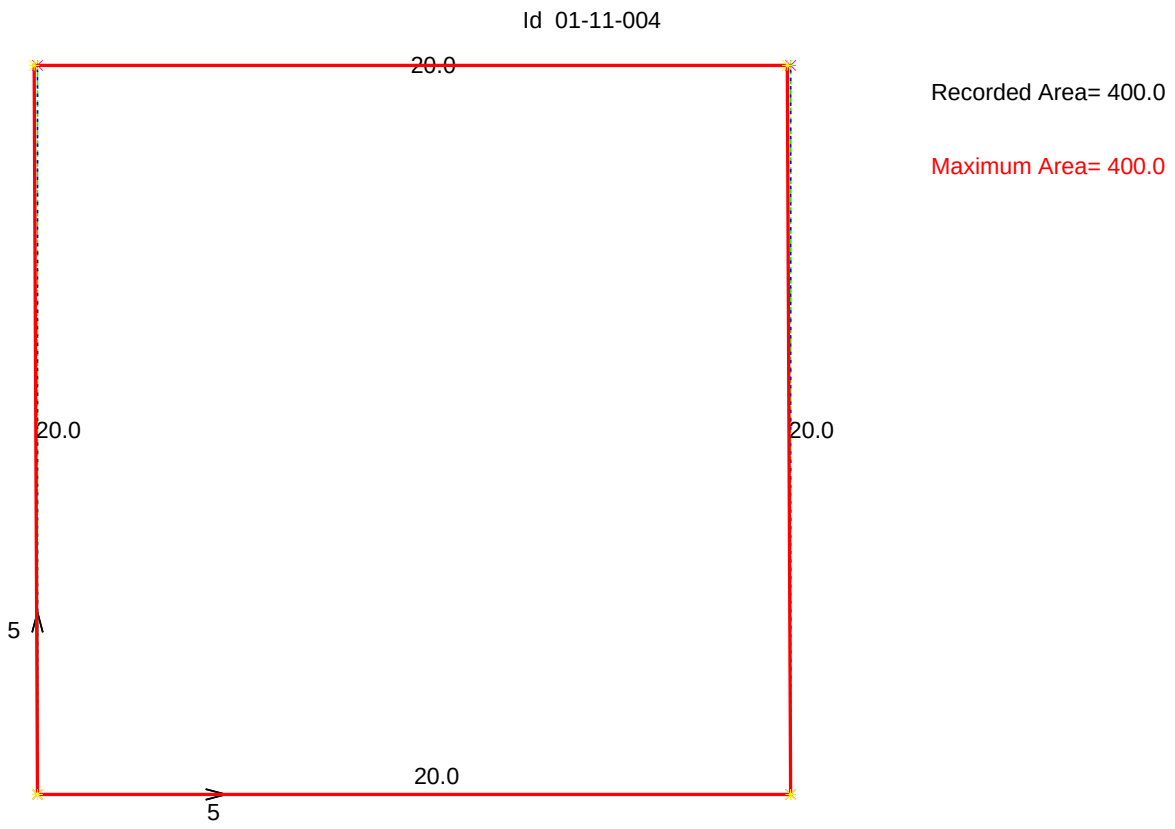

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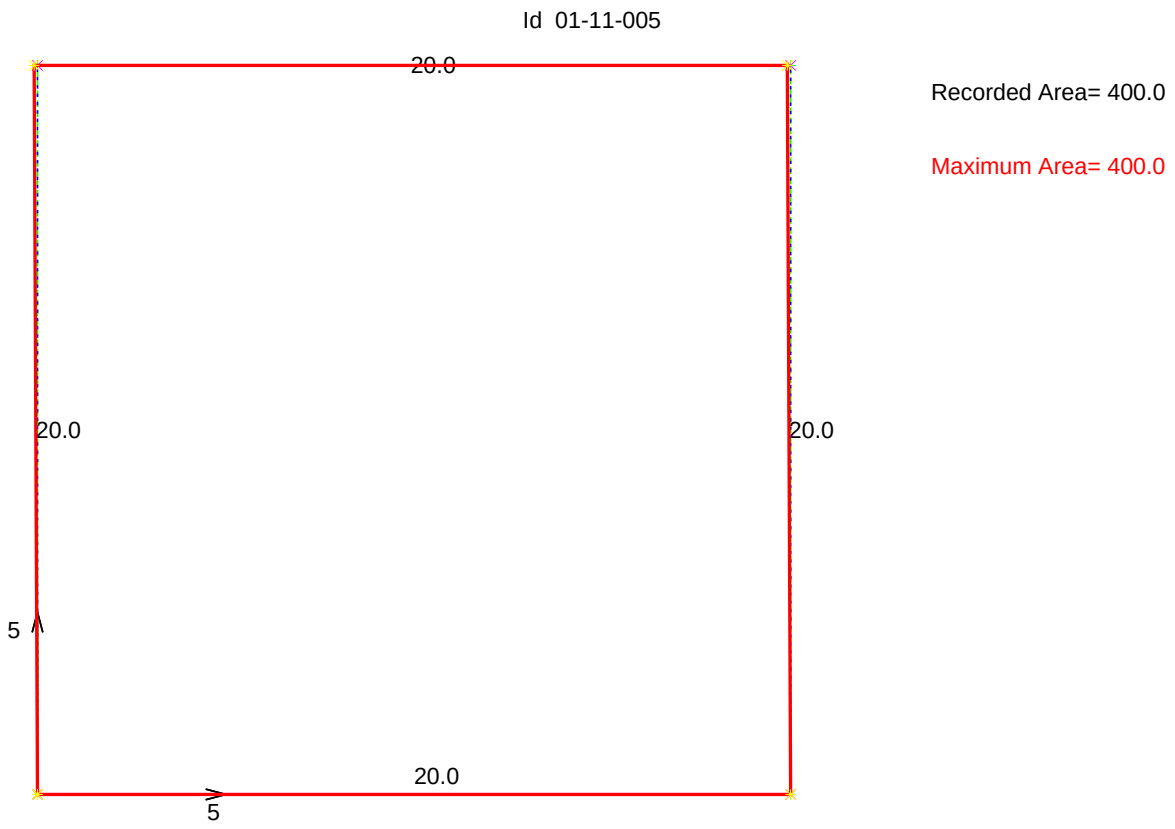

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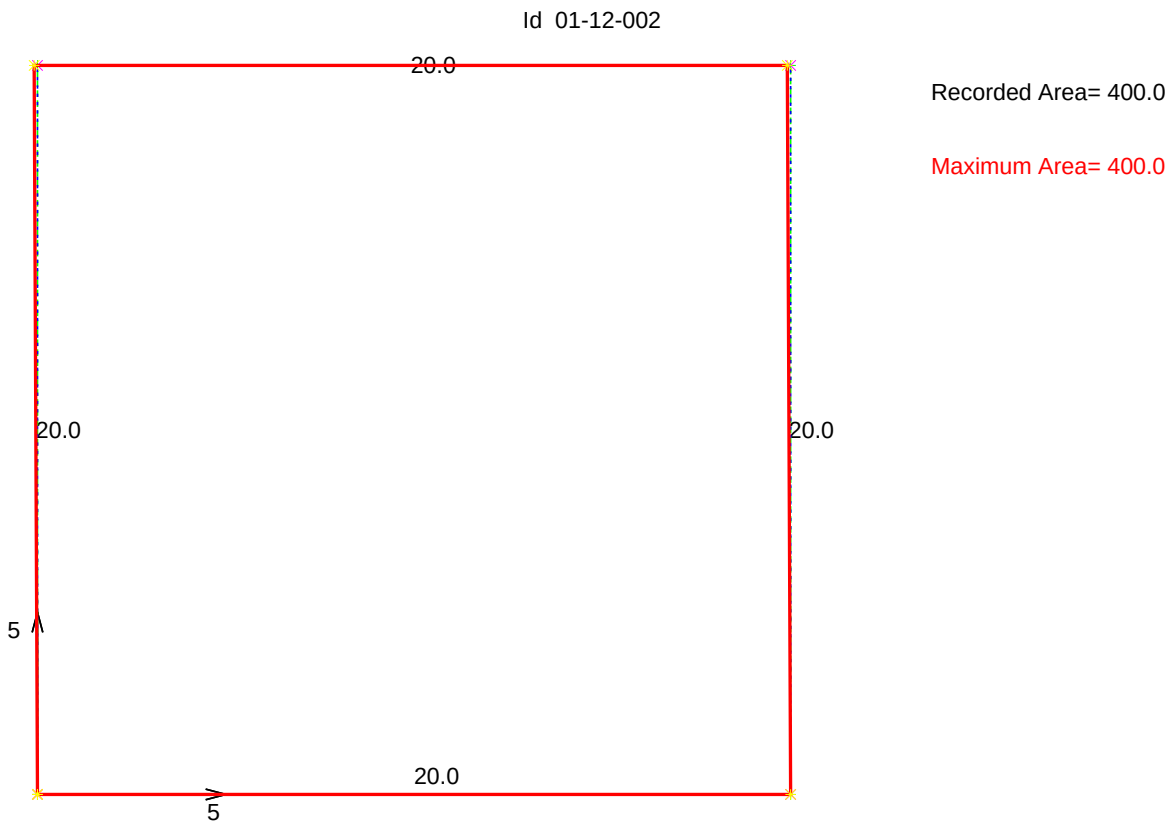

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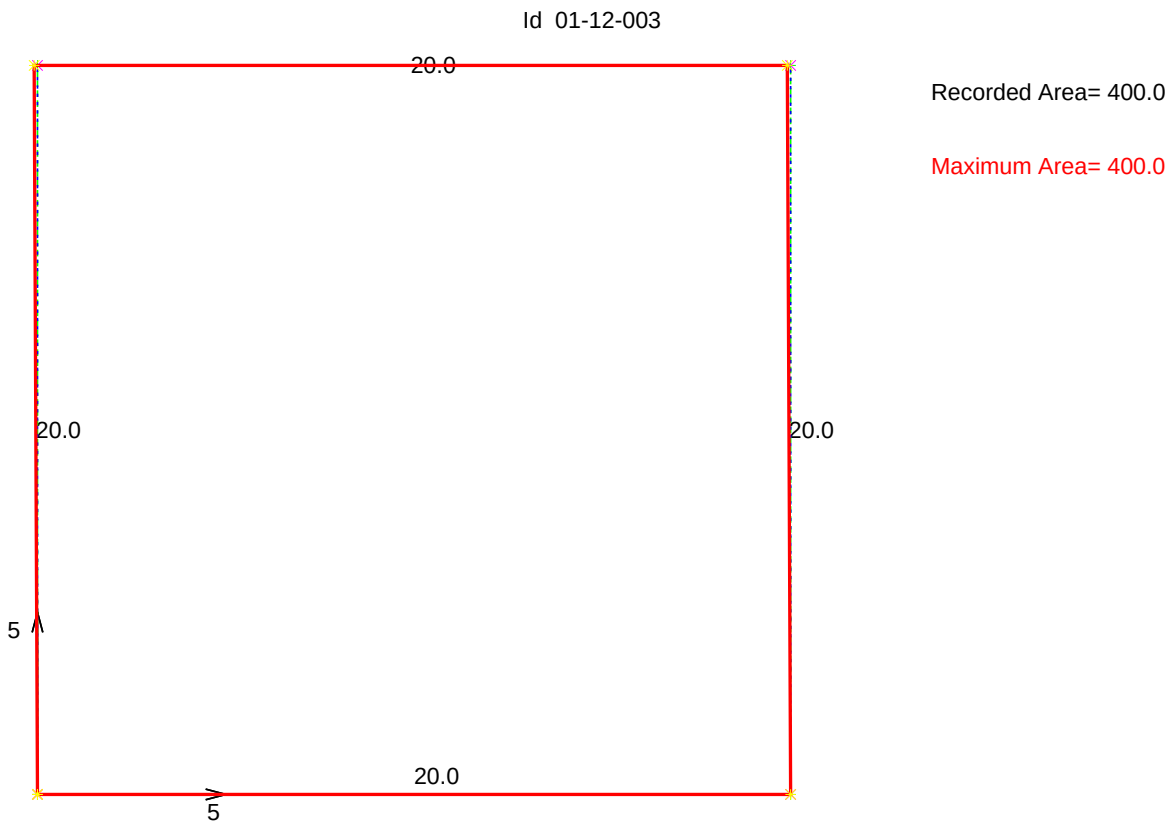

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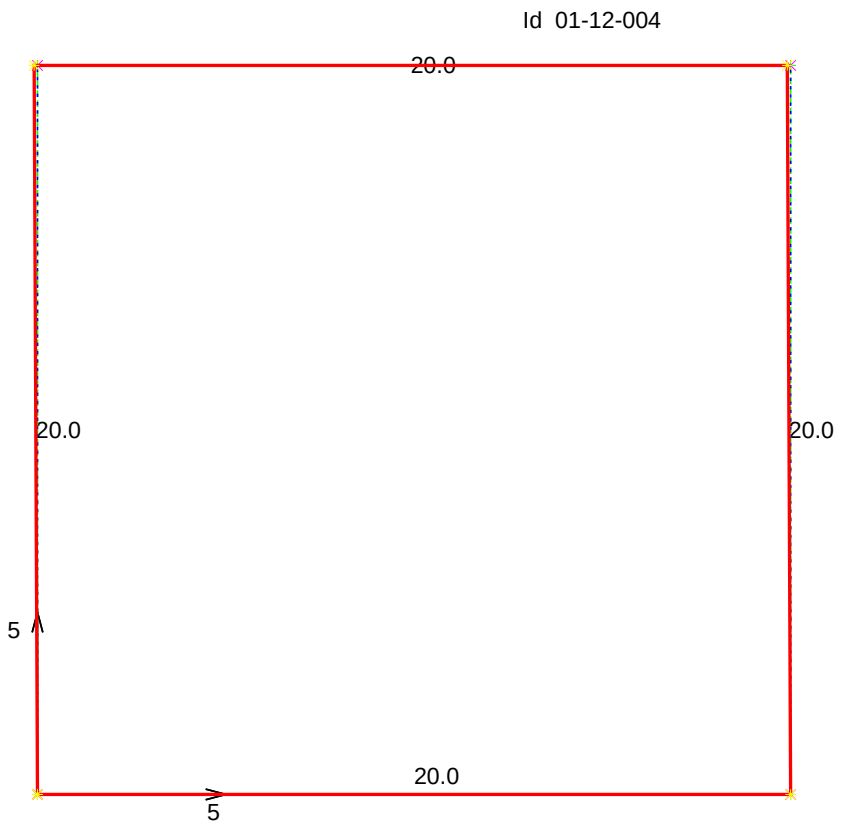

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Id 01-13-001

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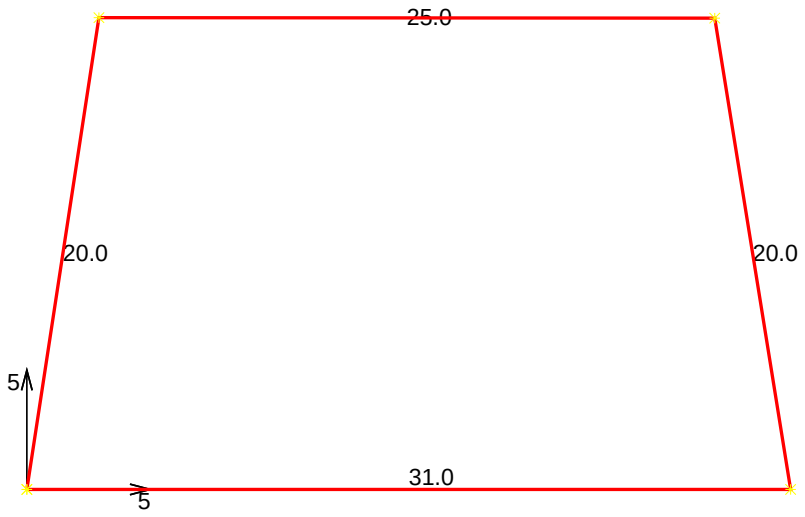
Maximum Area= 553.7



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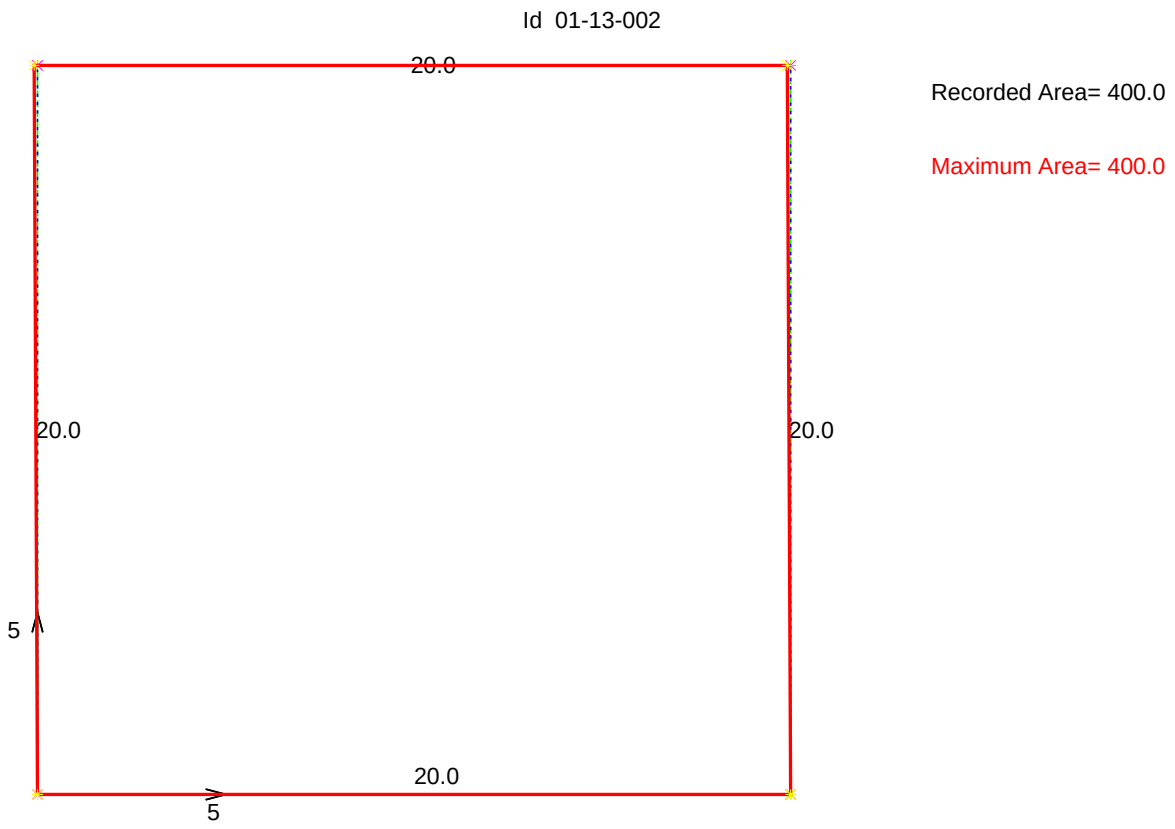

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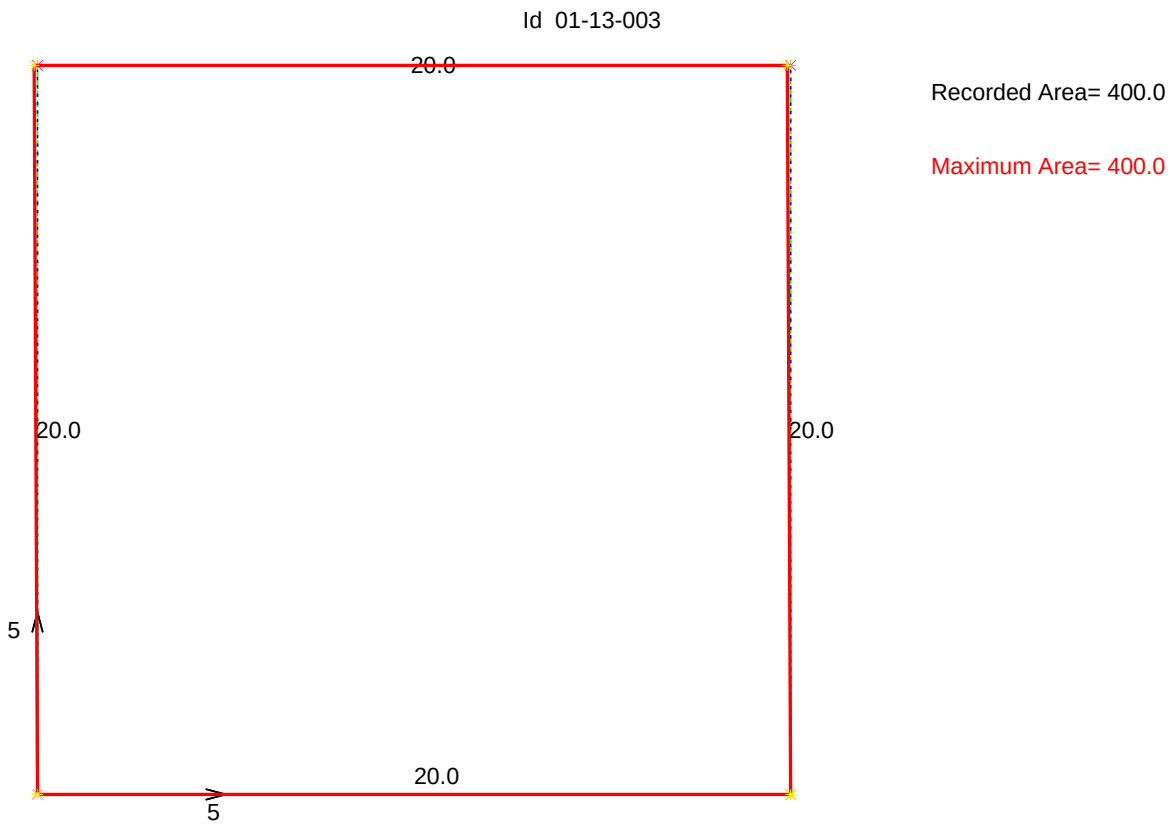

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Id 01-13-004

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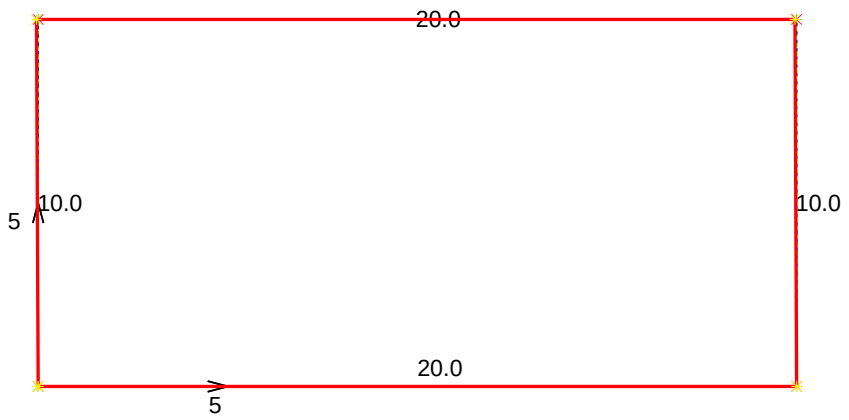
Maximum Area= 200.0



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Id 01-14-001

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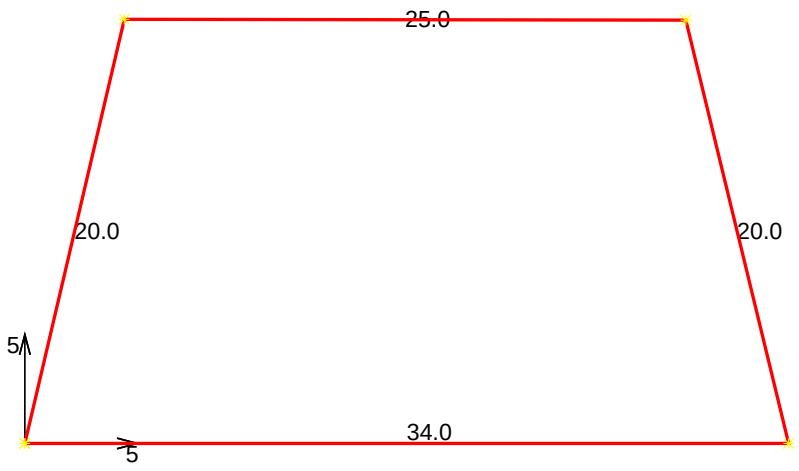
Maximum Area= 574.9



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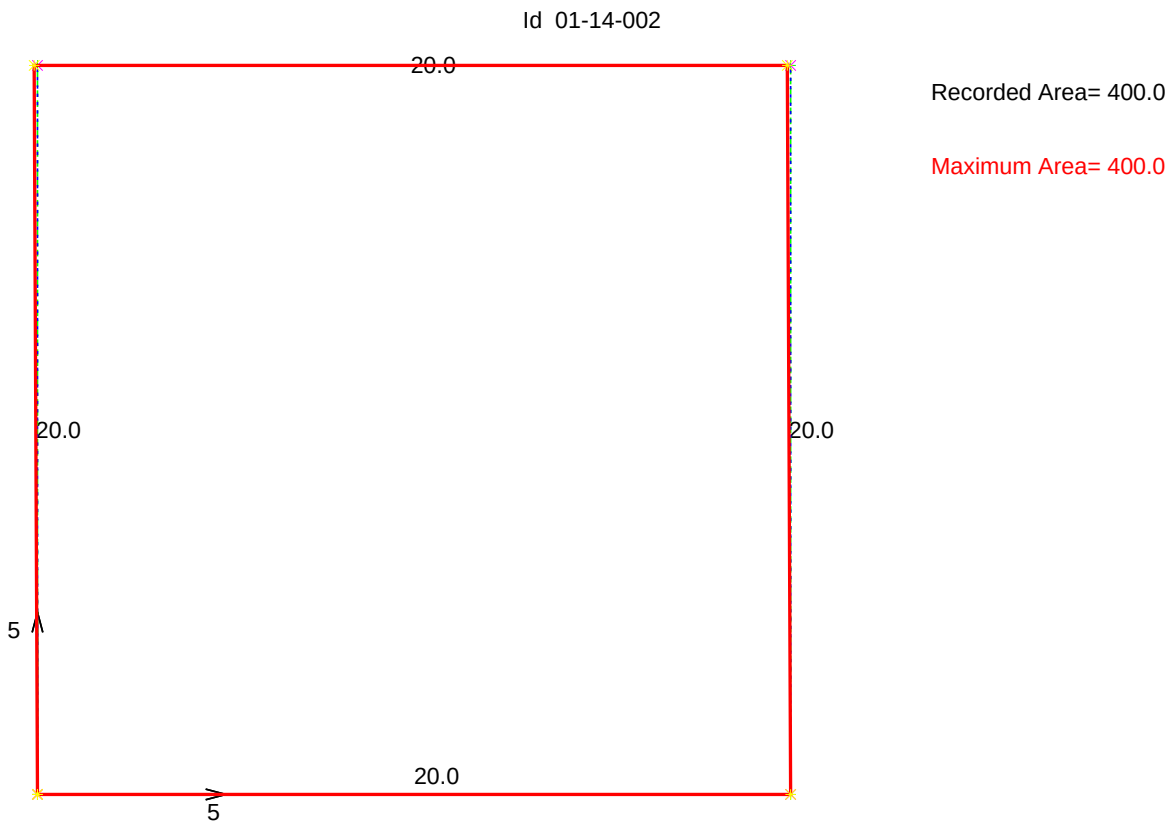

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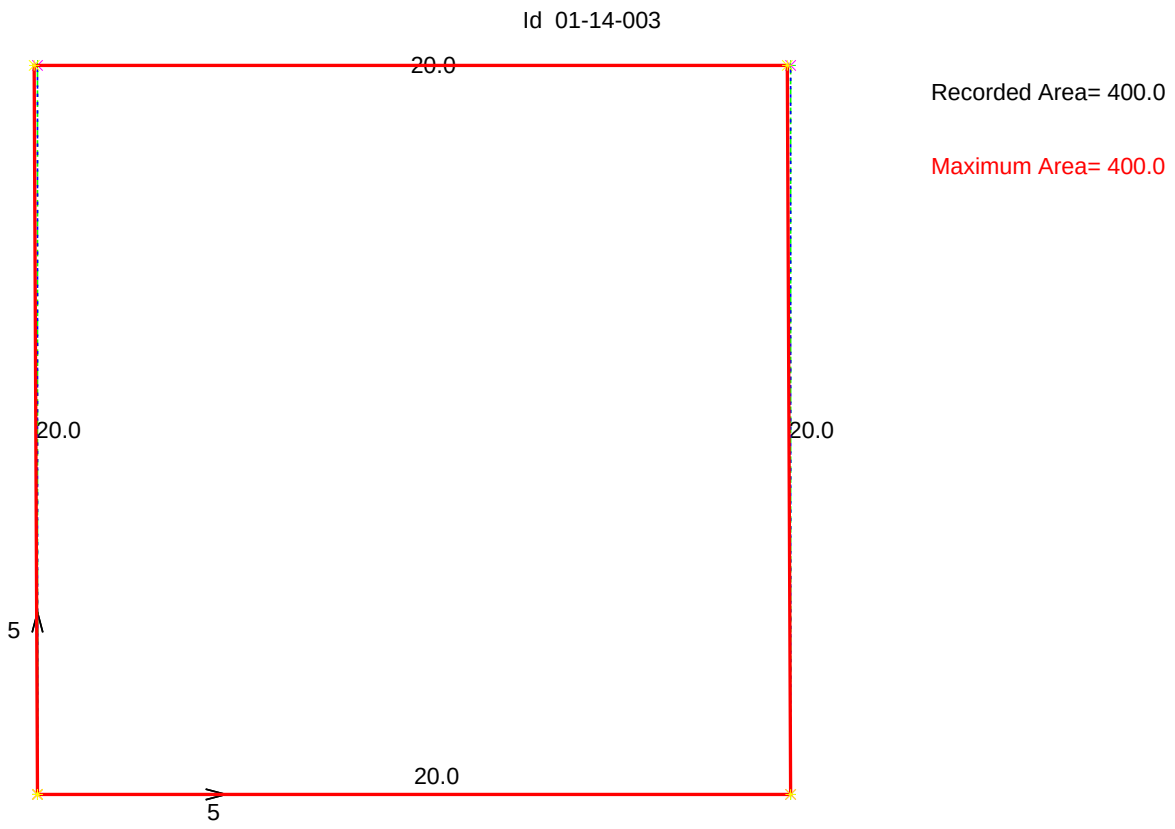

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Id 01-14-004

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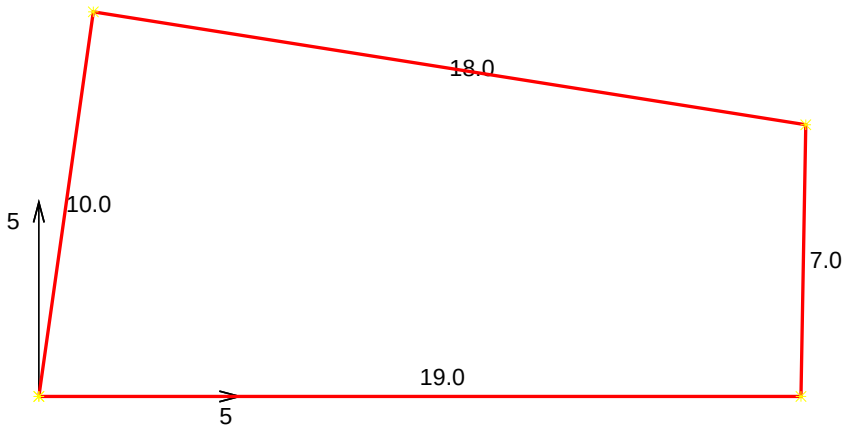
Maximum Area= 156.5



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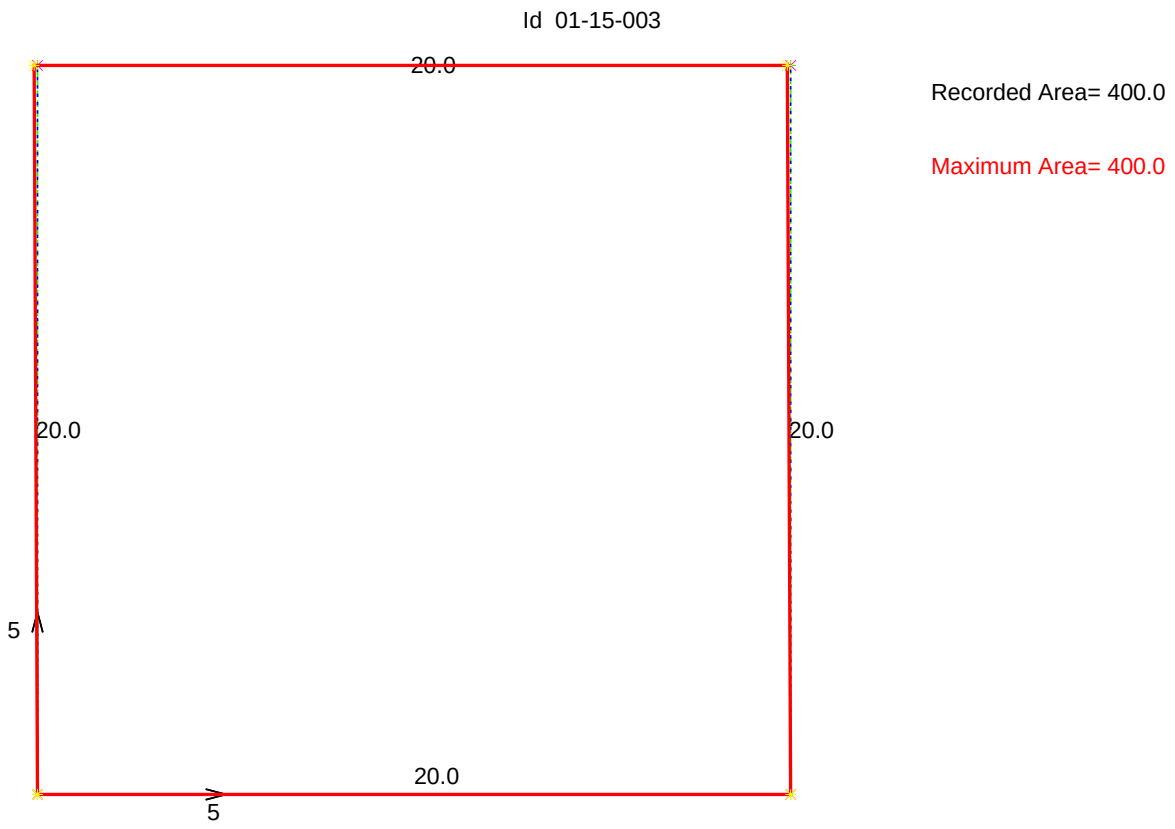

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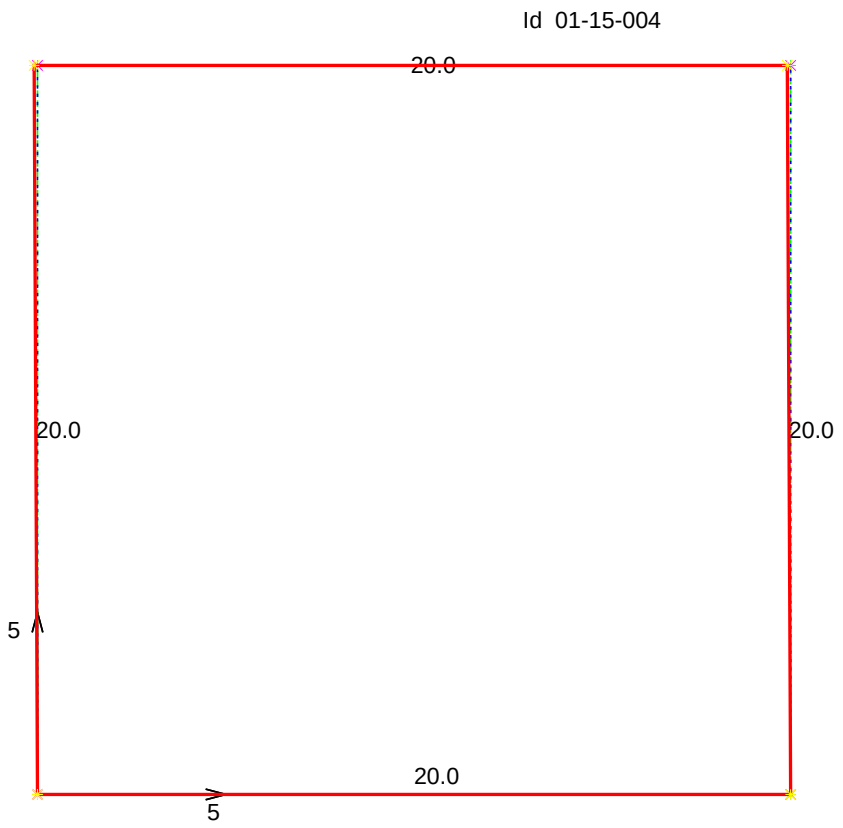

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Return to beginning (8)

Id 01-15-005

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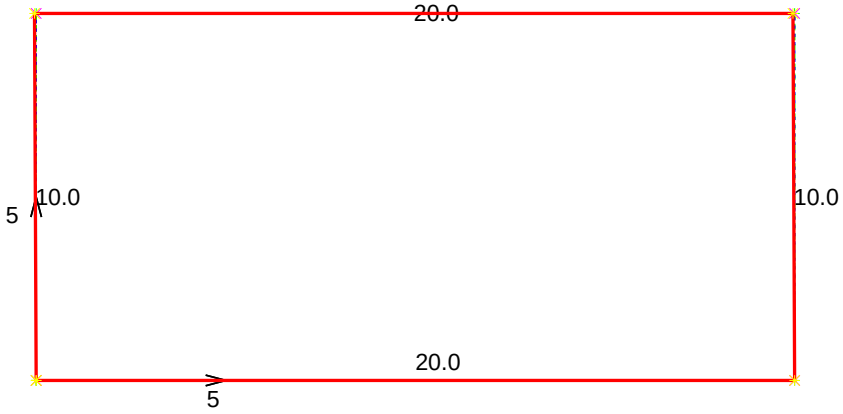
Maximum Area= 200.0



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Id 01-15-006

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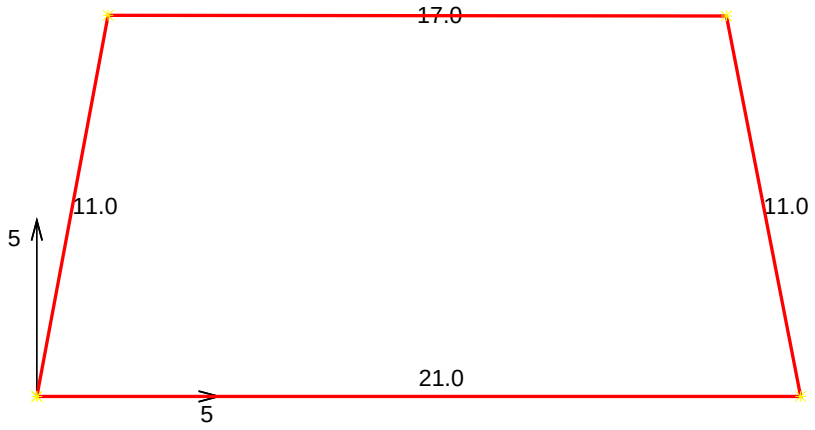
Maximum Area= 205.5



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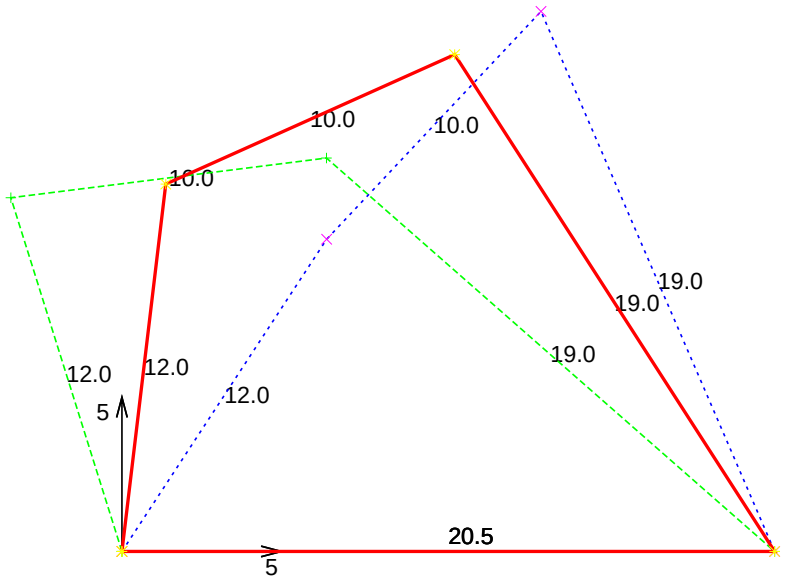
Id 01-15-007

Recorded Area= 190.0

Maximum Area= 216.5



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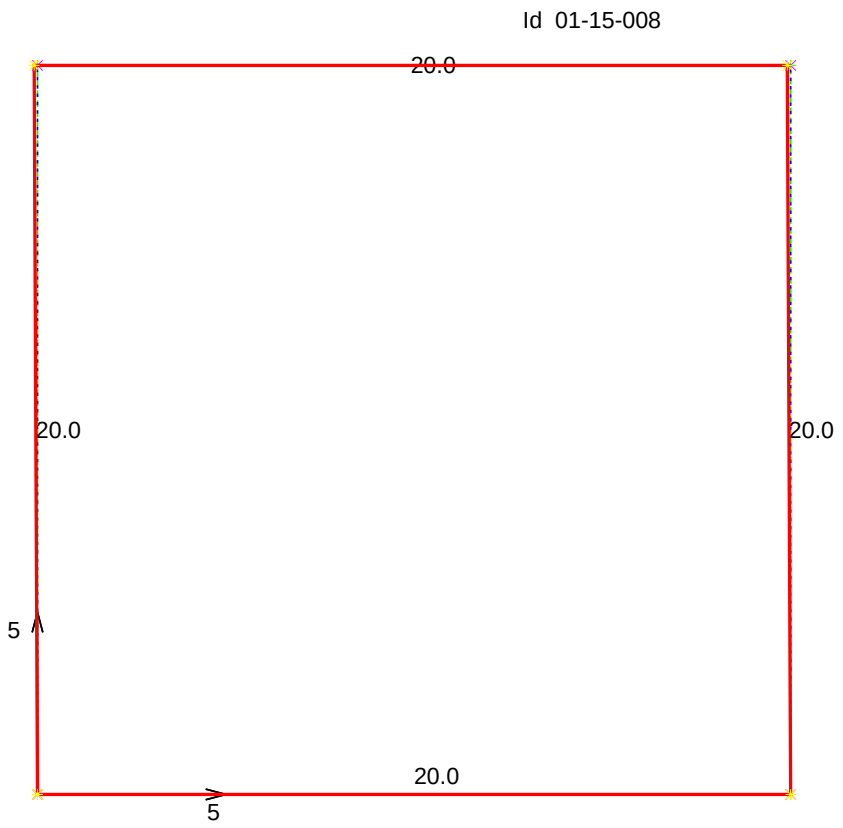

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Maximum Area= 400.0

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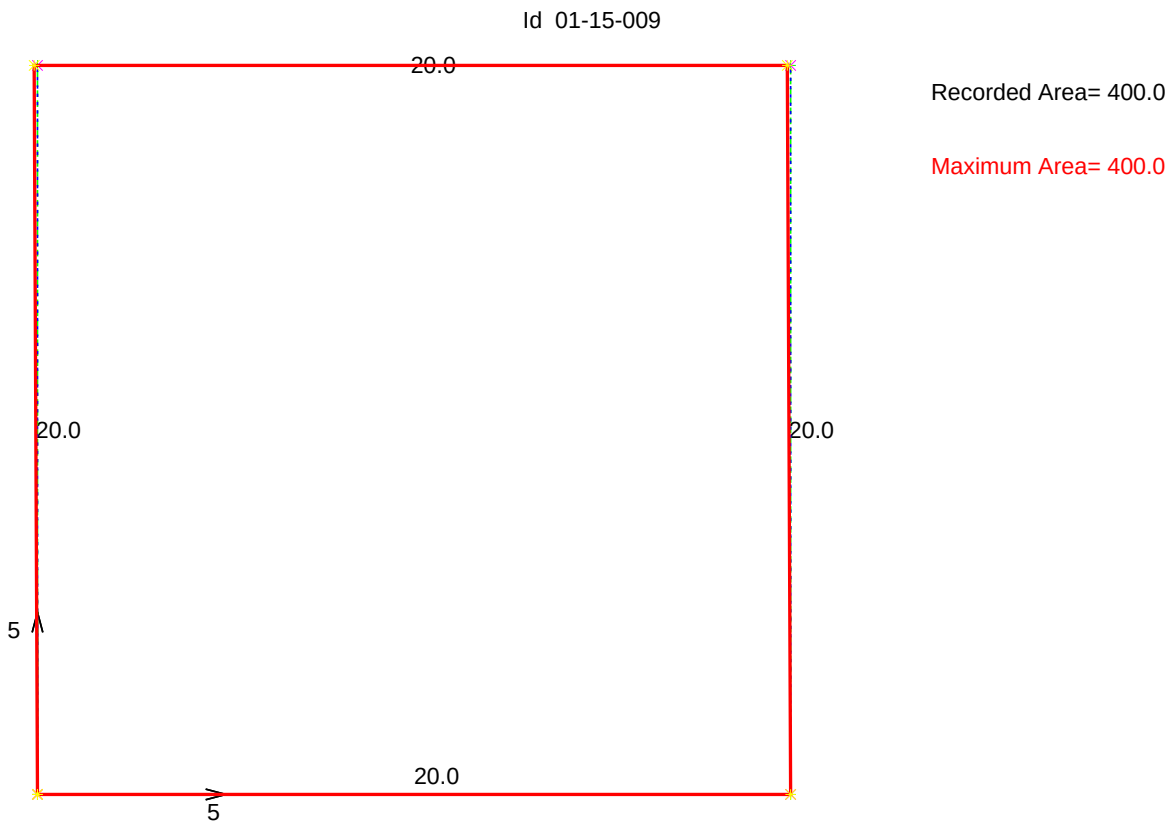

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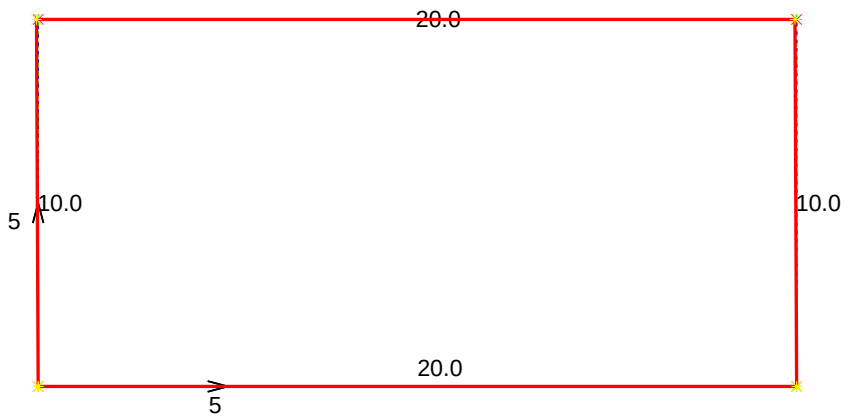
Id 01-15-010

Recorded Area= 200.0

Maximum Area= 200.0



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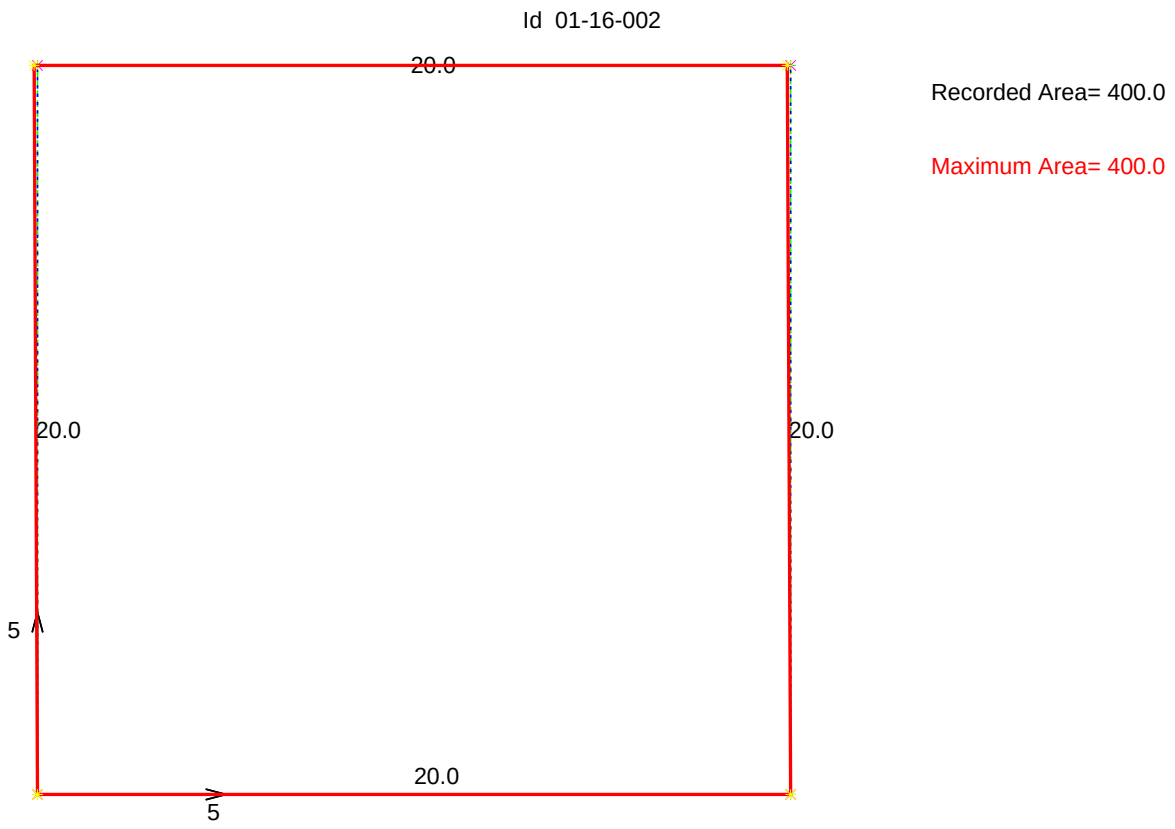

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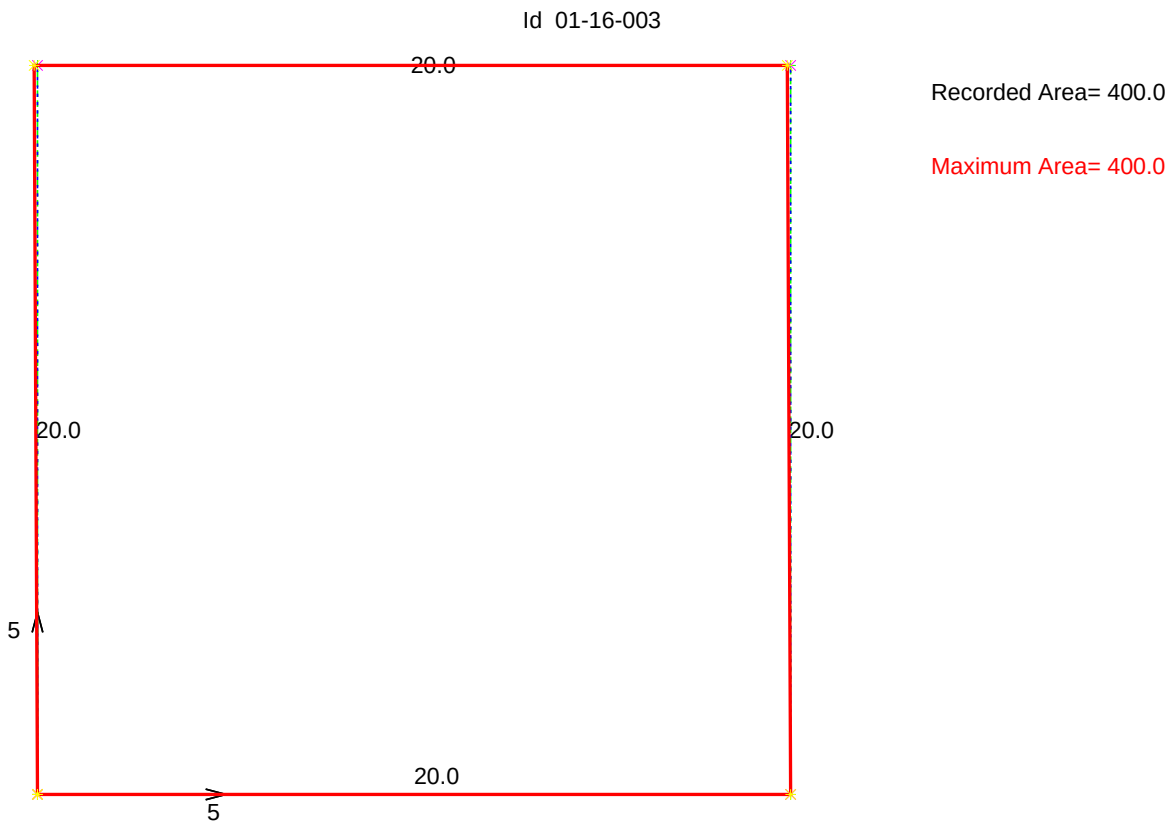

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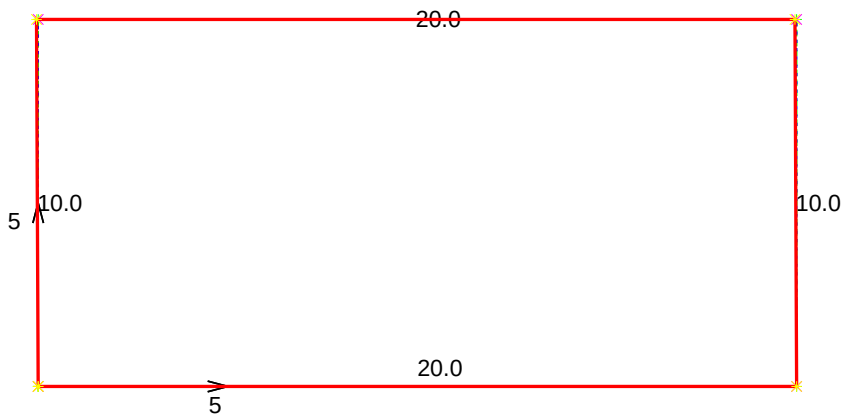
Id 01-16-004

Recorded Area= 200.0

Maximum Area= 200.0

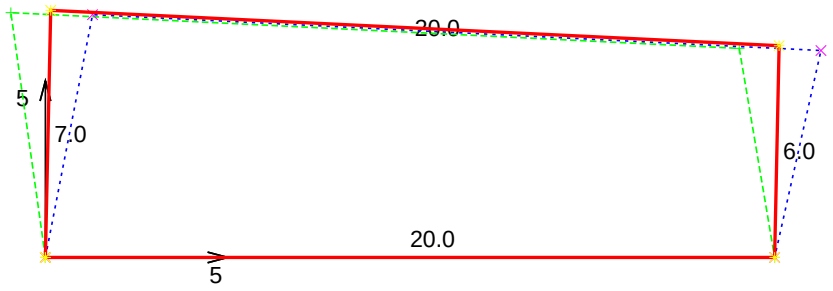


Return to beginning (9)

Id 01-17-001

Recorded Area= 128.0

Maximum Area= 130.0



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Id 01-17-003

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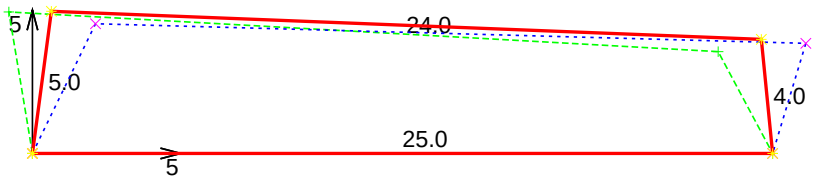
Maximum Area= 109.5



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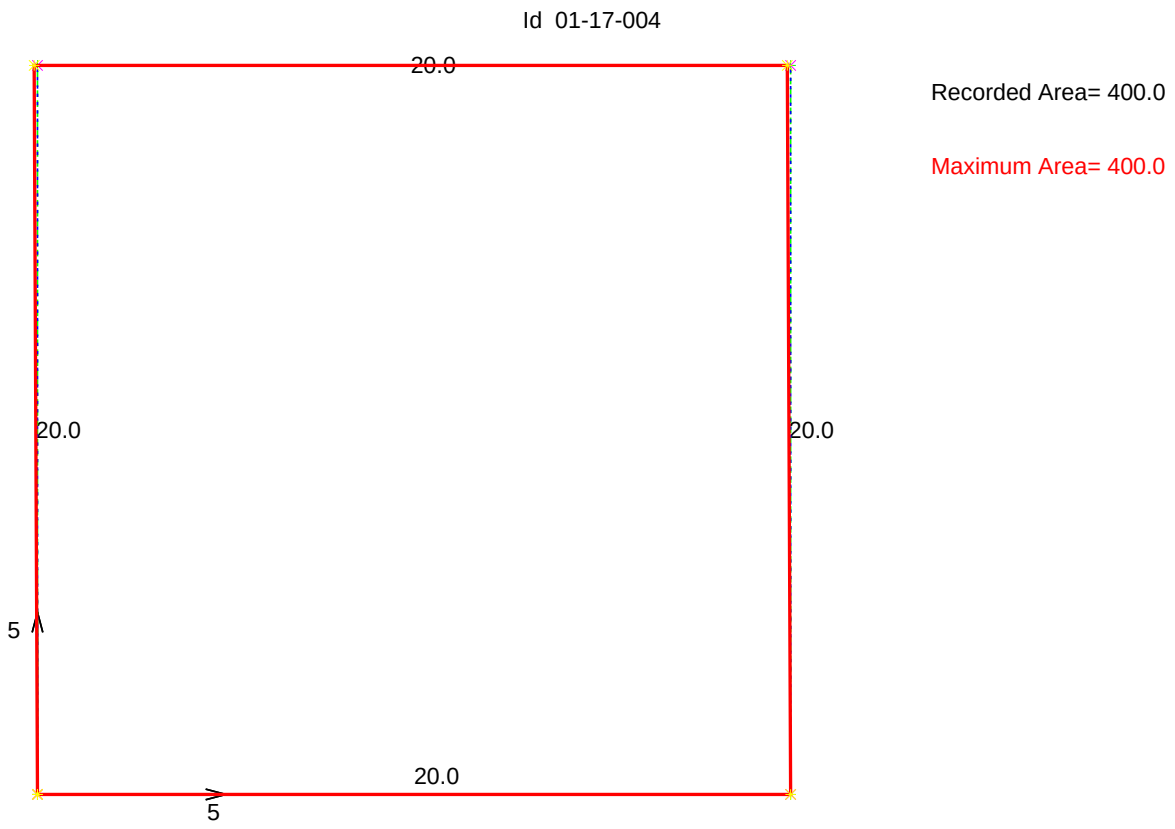

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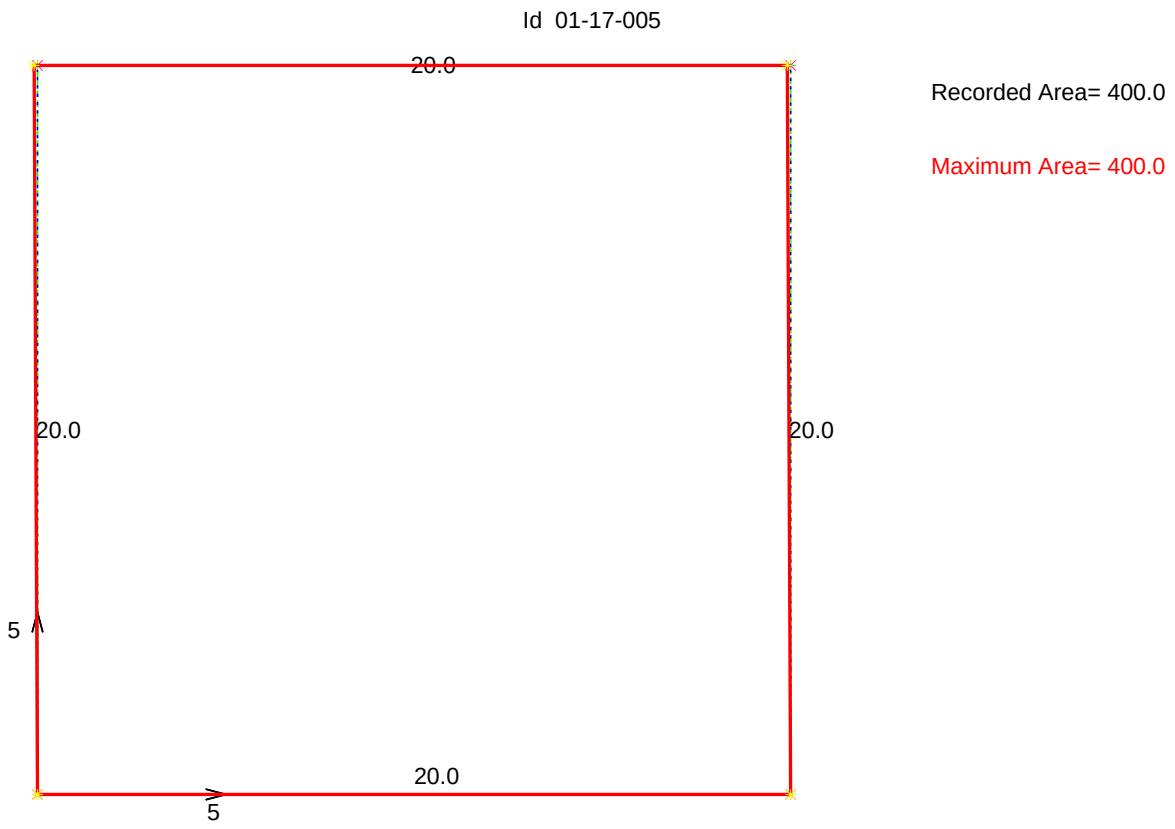
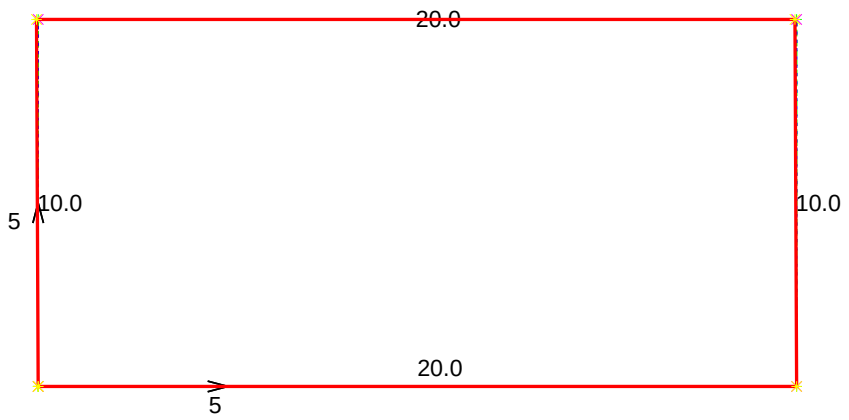


Return to beginning (9)

Id 01-17-006

Recorded Area= 200.0

Maximum Area= 200.0

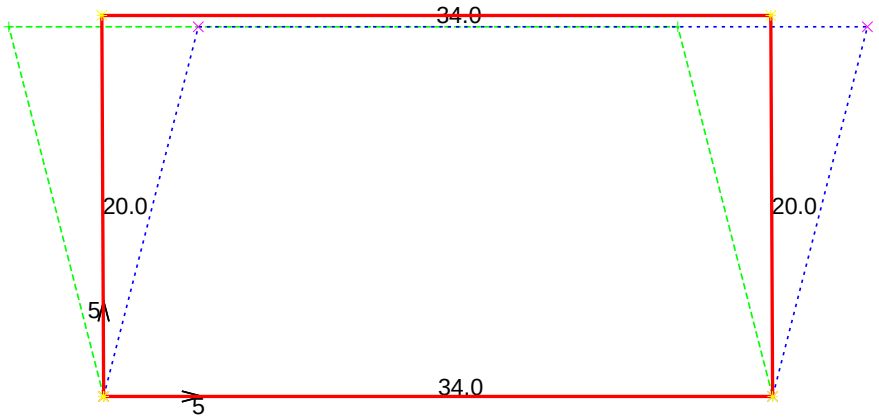


Return to beginning (9)

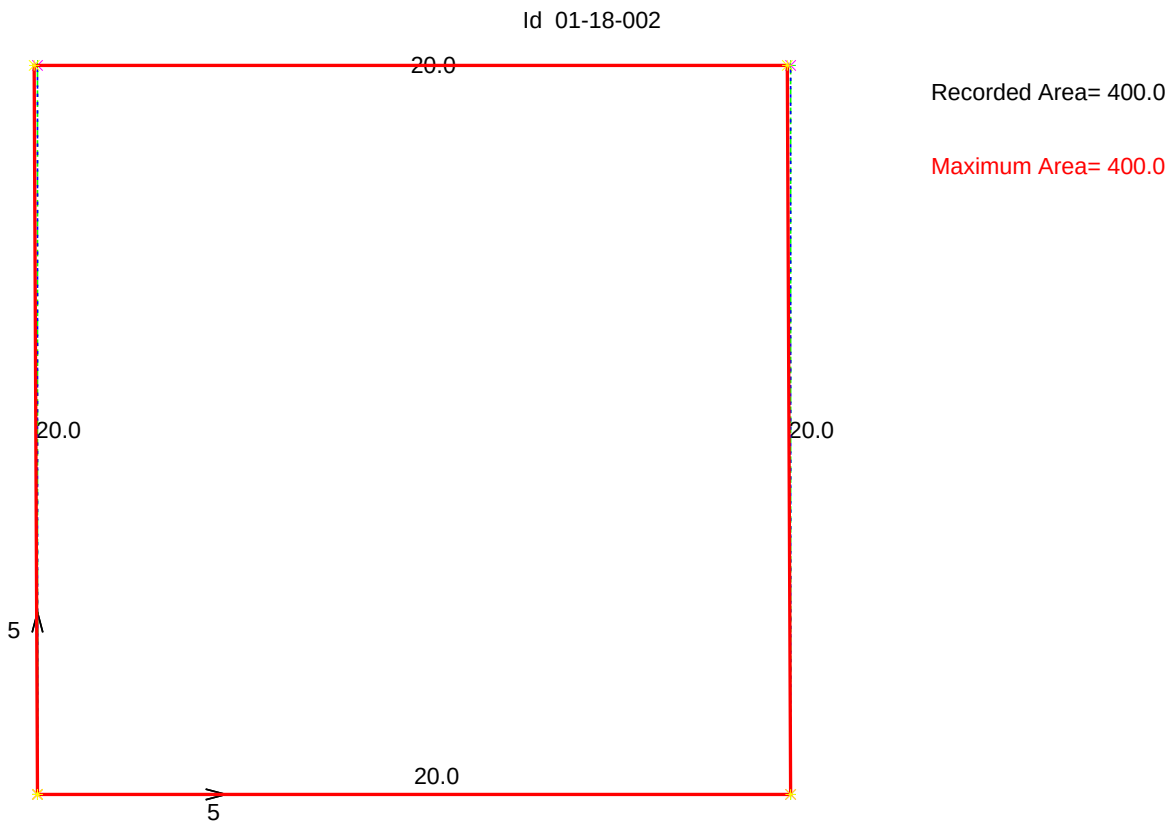
Id 01-18-001

Recorded Area= 660.0

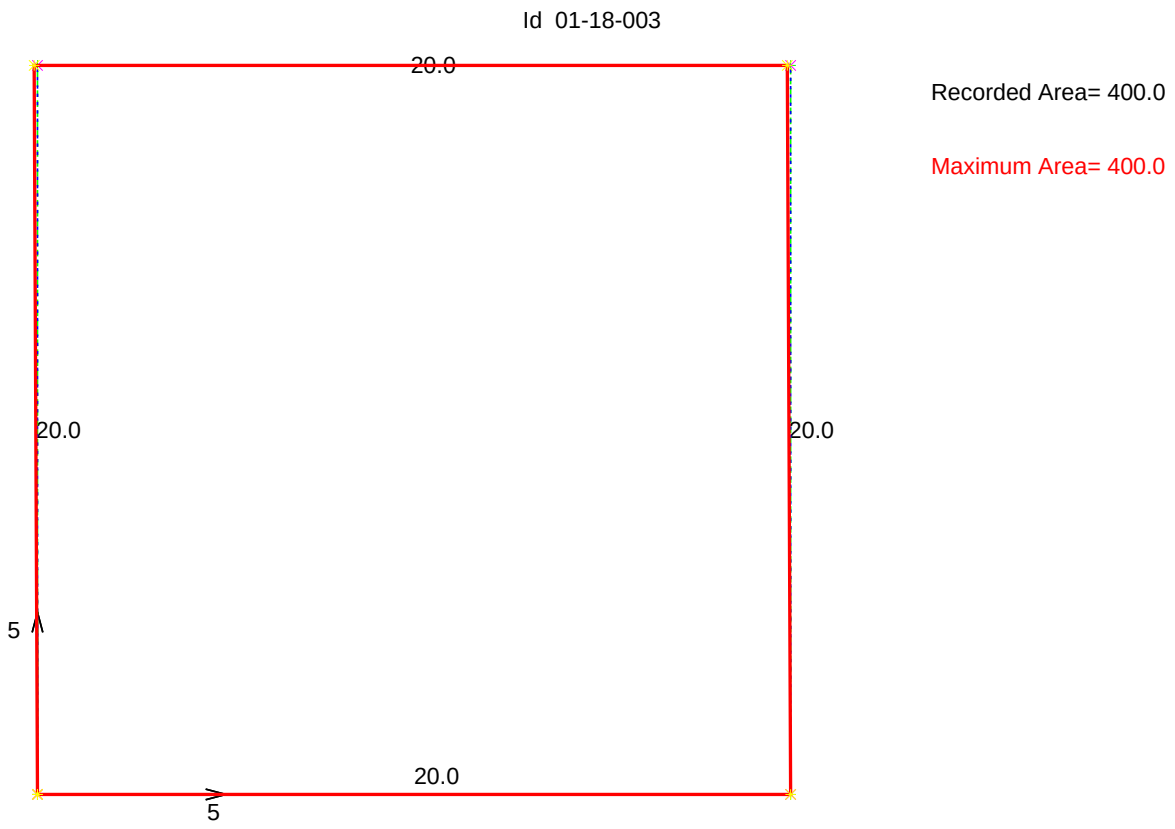
Maximum Area= 680.0



Return to beginning (9)



Return to beginning (9)



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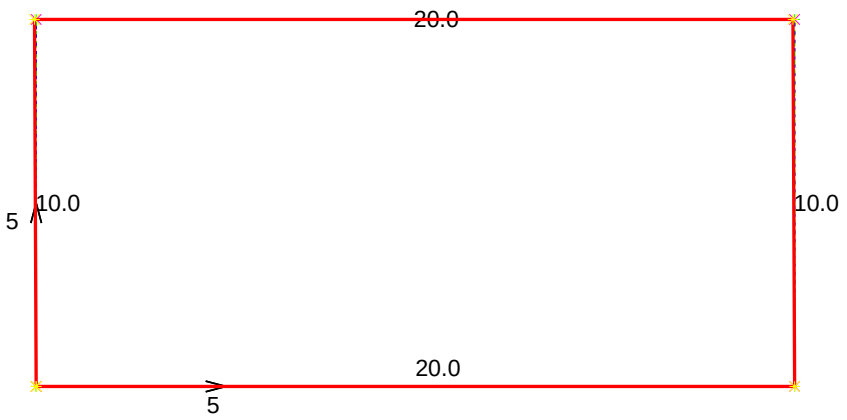
Id 01-18-004

Recorded Area= 200.0

Maximum Area= 200.0

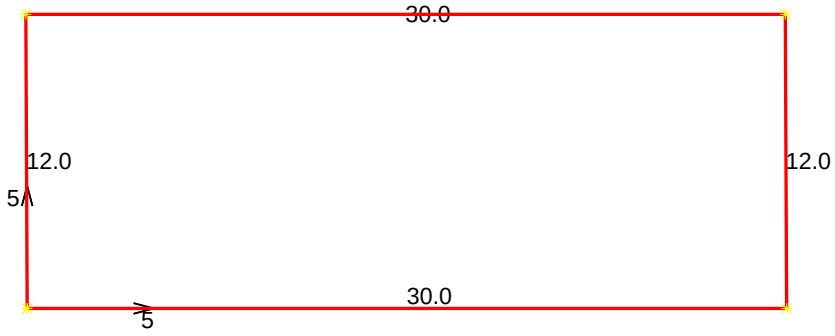


Return to beginning (10)

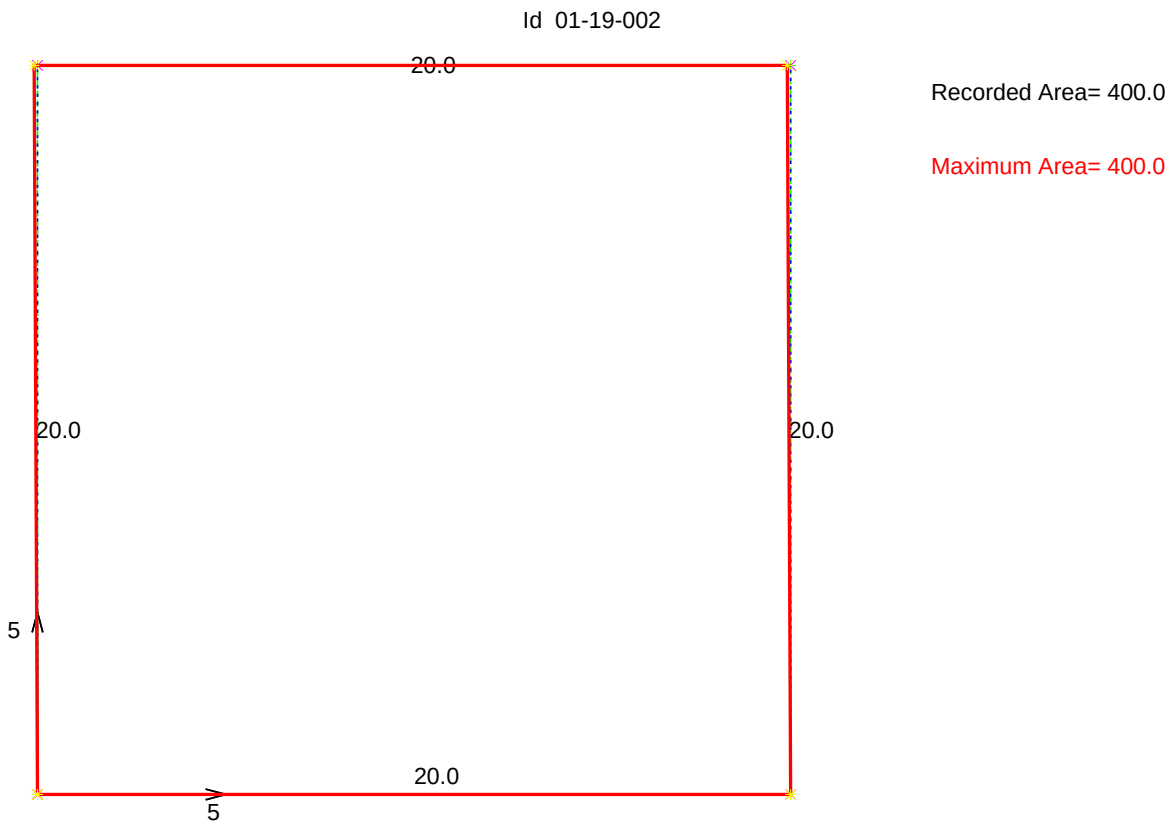
Id 01-19-001

Recorded Area= 520.0

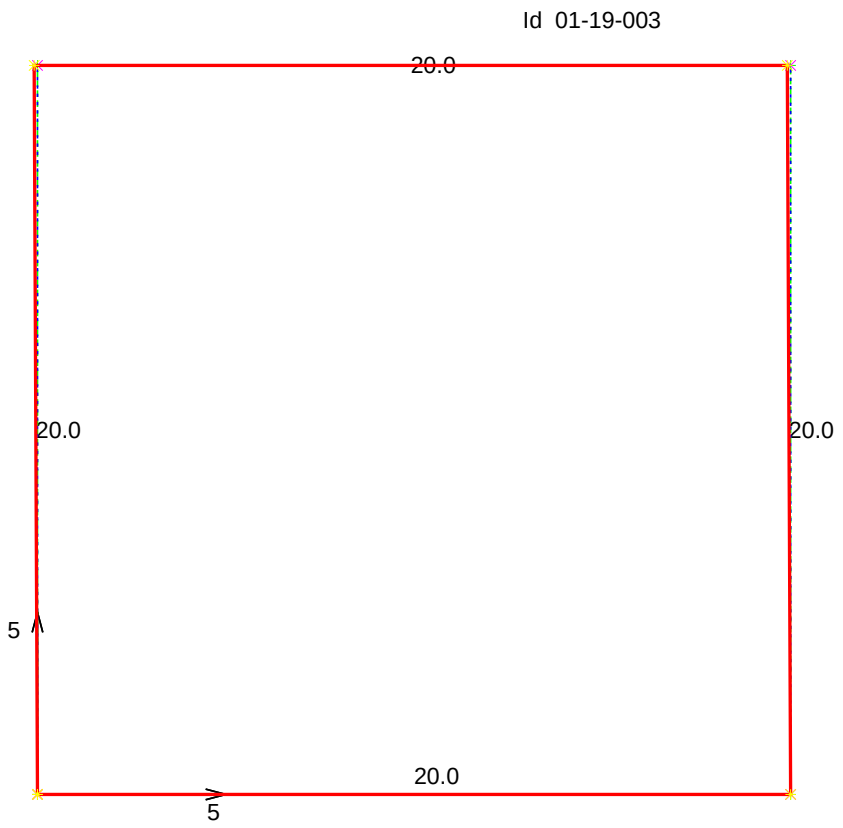
Maximum Area= 360.0



Return to beginning (10)



Return to beginning (10)



Recorded Area= 400.0

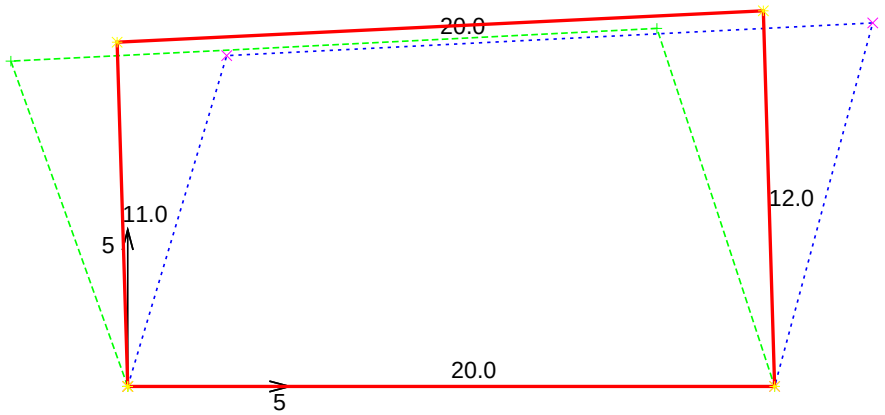
Maximum Area= 400.0

Return to beginning (10)

Id 01-19-004

Recorded Area= 220.0

Maximum Area= 229.9

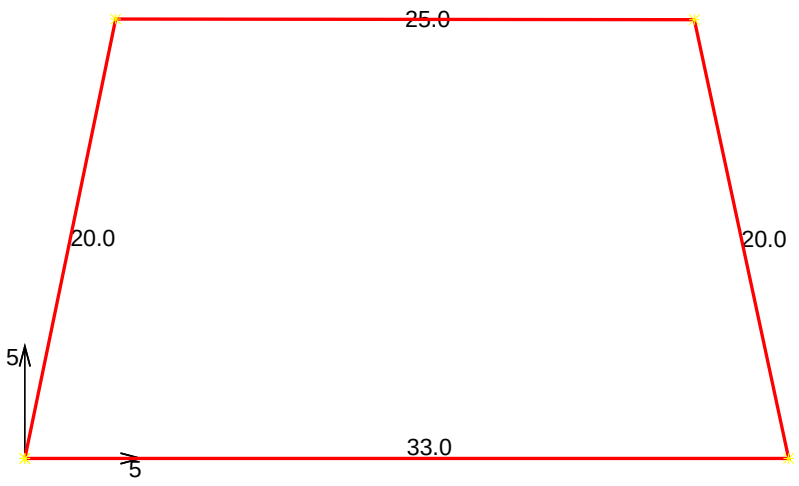


Return to beginning (10)

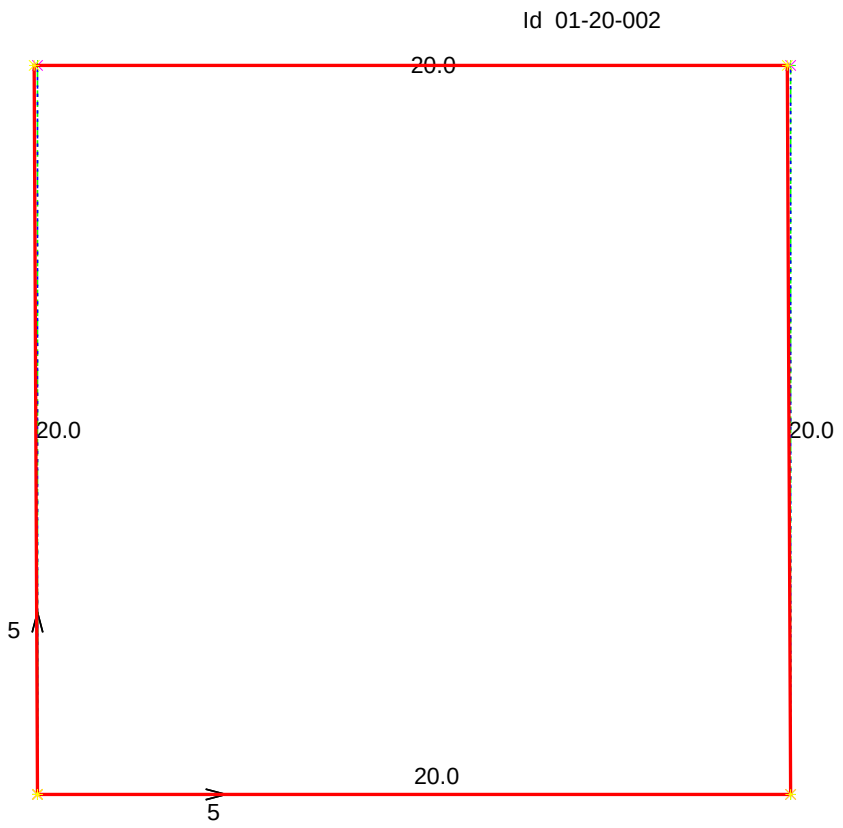
Id 01-20-001

Recorded Area= 580.0

Maximum Area= 568.3



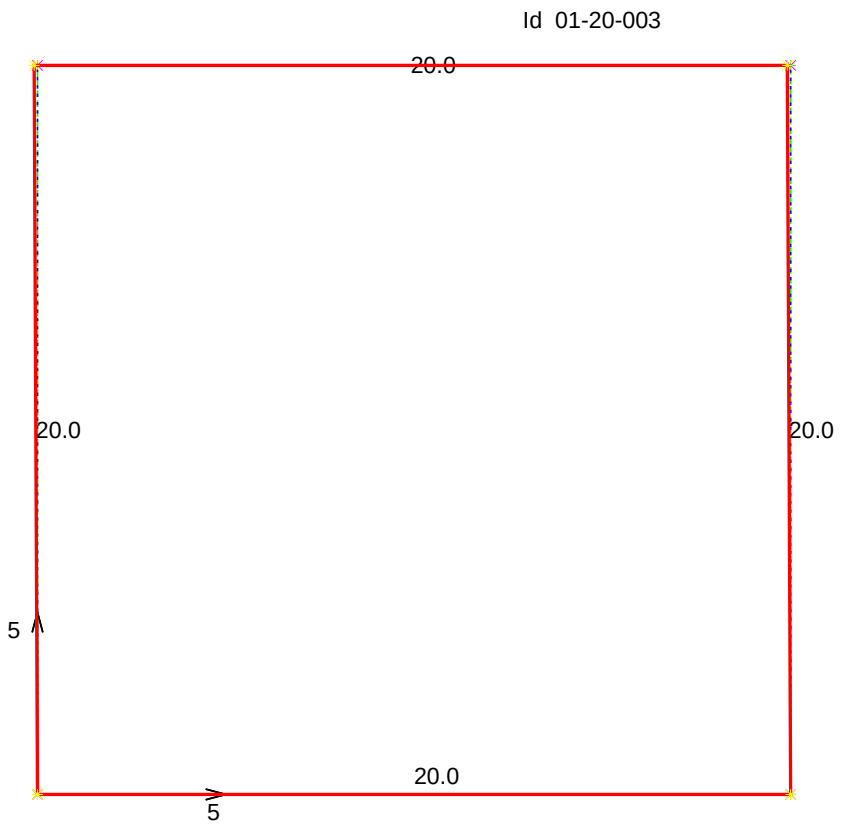
Return to beginning (10)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (10)



Recorded Area= 400.0

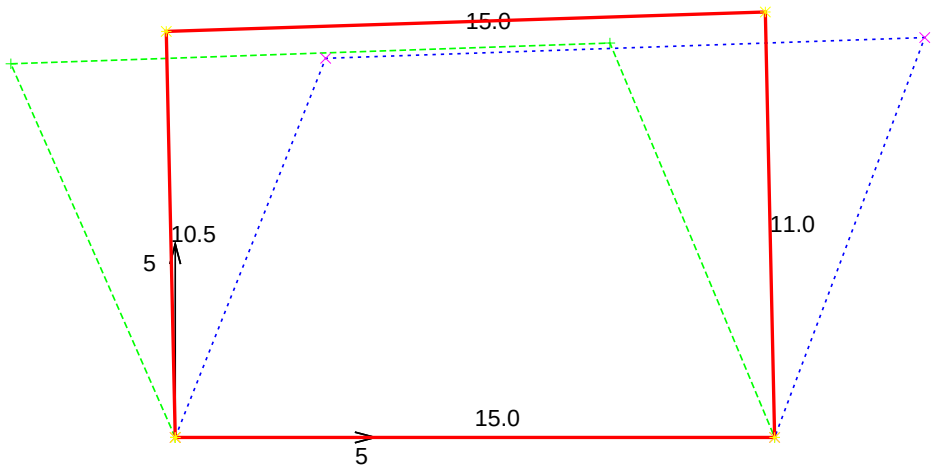
Maximum Area= 400.0

Return to beginning (10)

Id 01-20-004

Recorded Area= 150.0

Maximum Area= 161.2

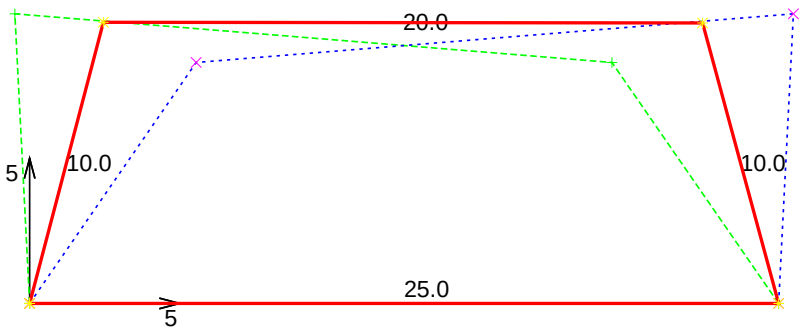


Return to beginning (10)

Id 01-21-003

Recorded Area= 203.0

Maximum Area= 217.9



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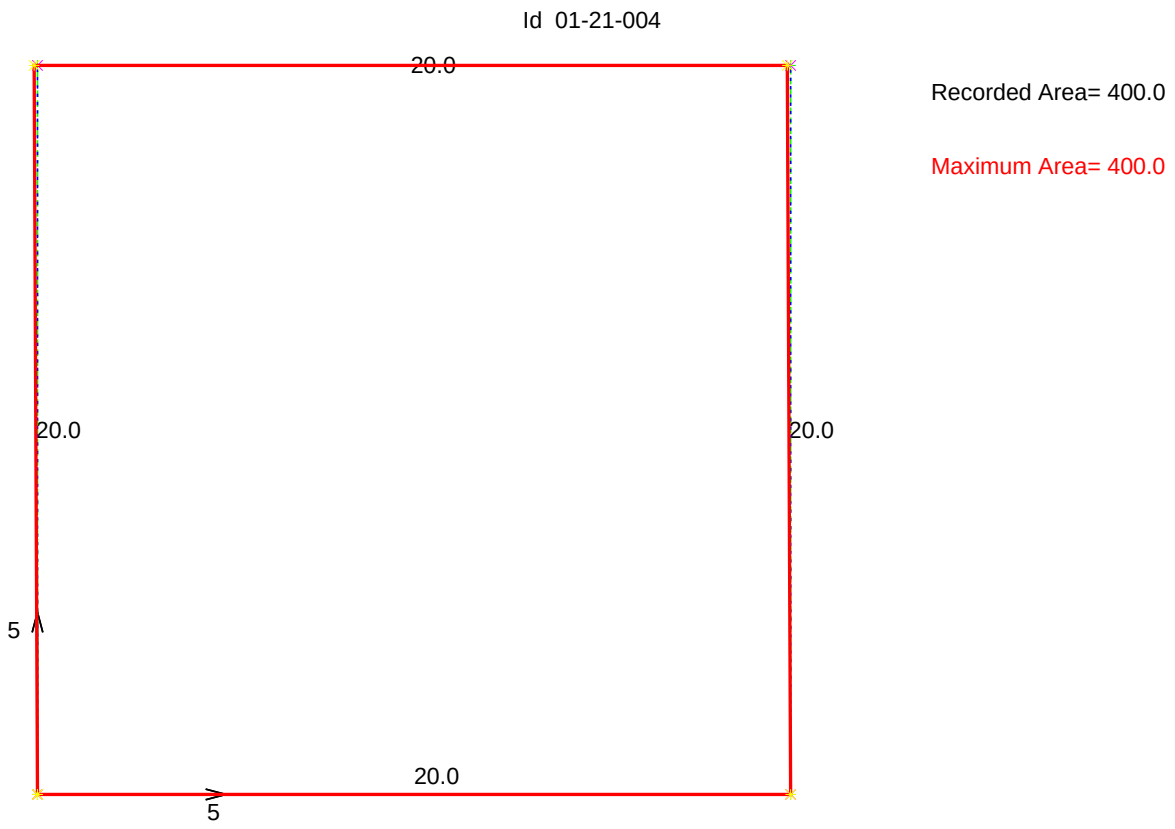
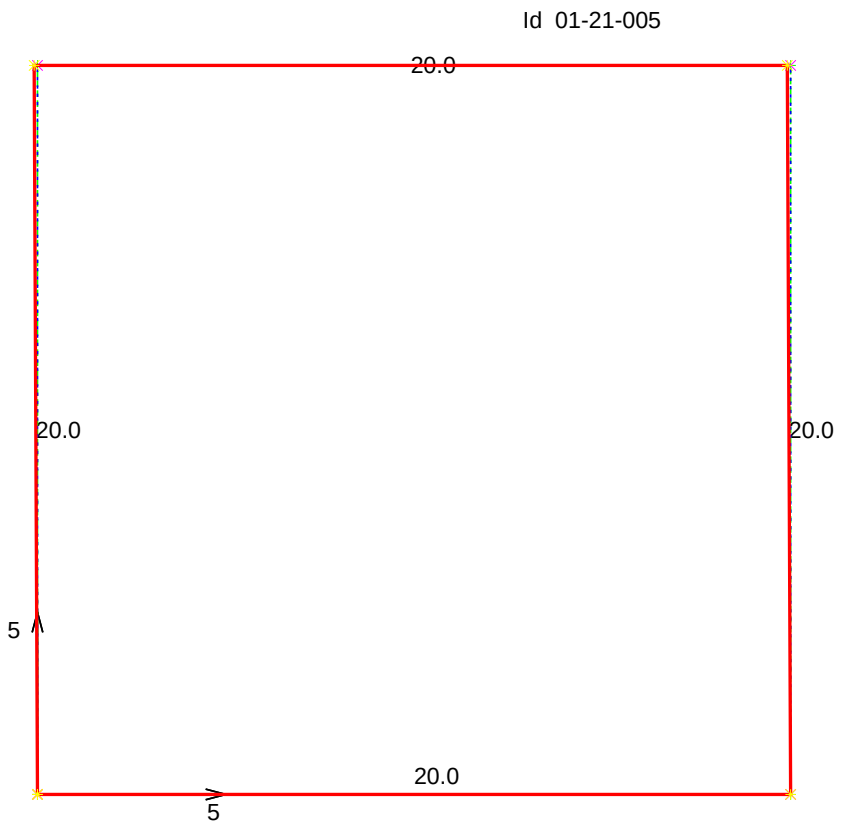


Return to beginning (10)



Recorded Area= 400.0

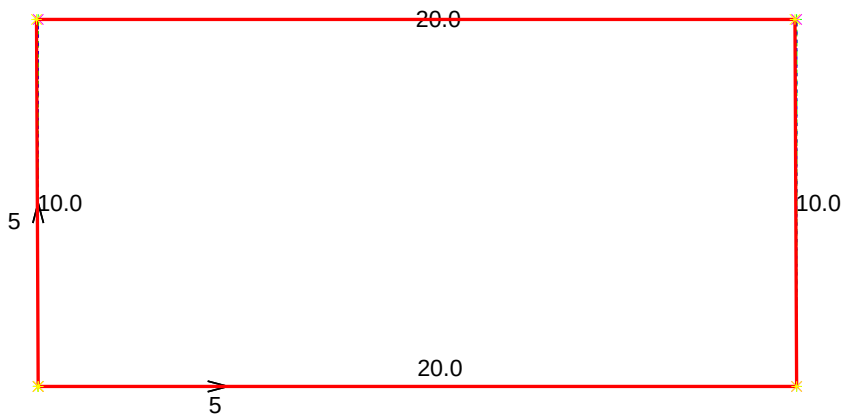
Maximum Area= 400.0

Return to beginning (10)

Id 01-21-006

Recorded Area= 200.0

Maximum Area= 200.0

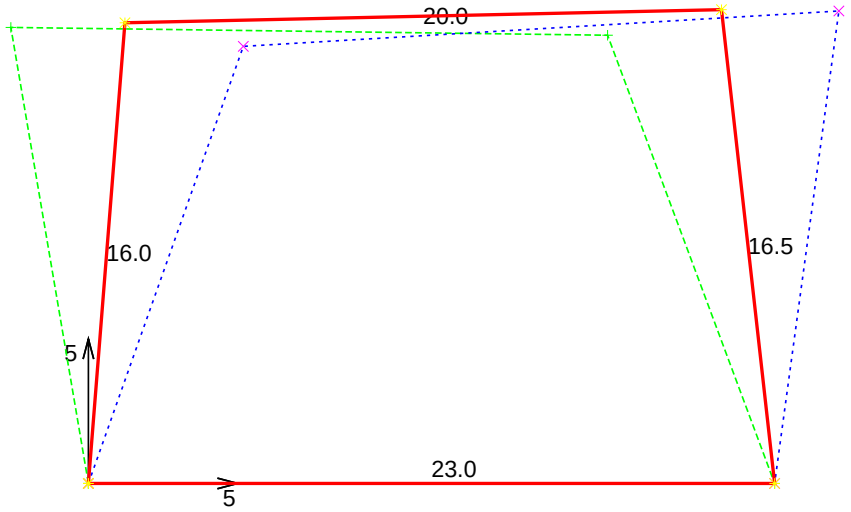


Return to beginning (10)

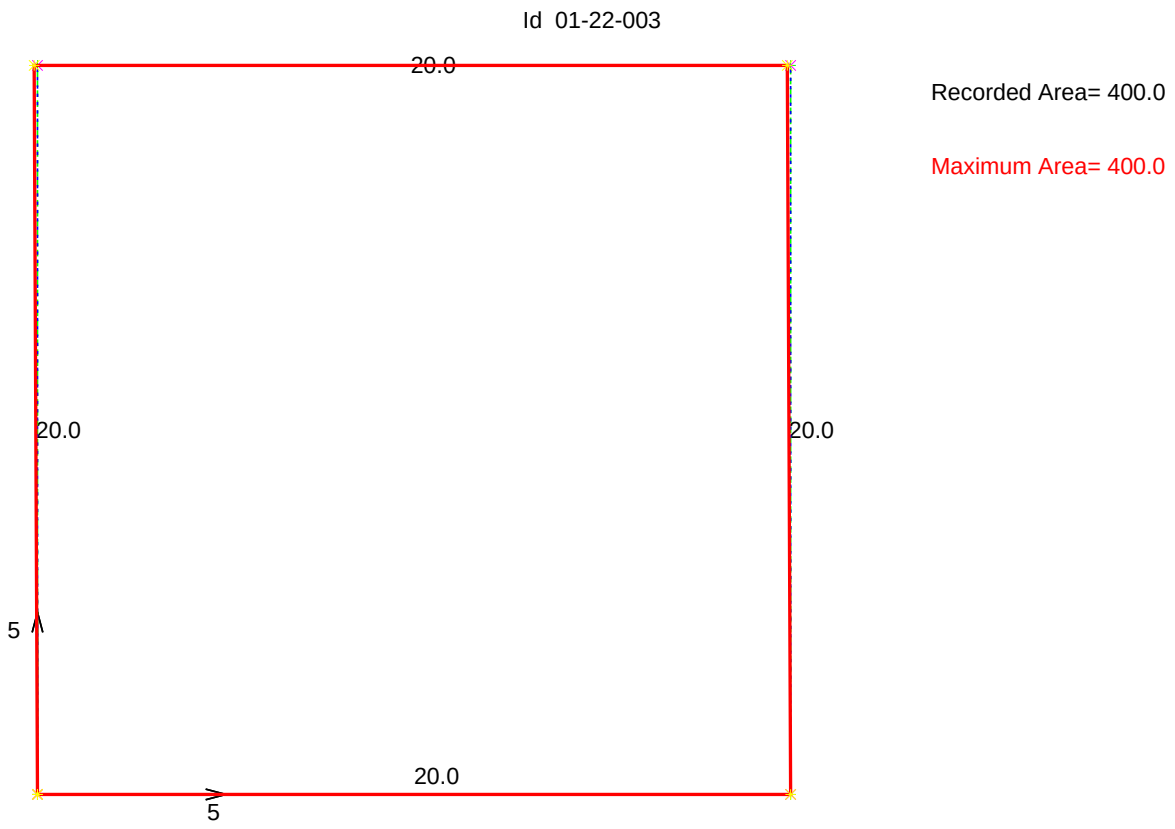
Id 01-22-002

Recorded Area= 336.0

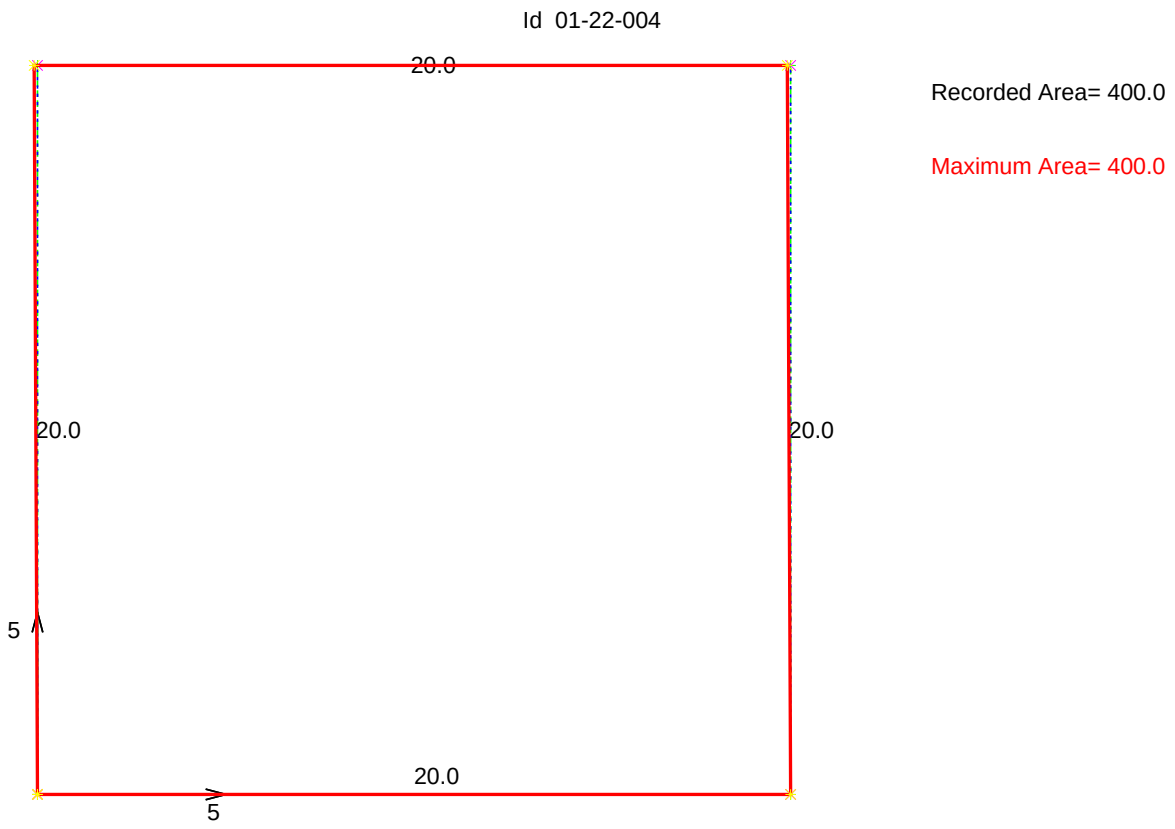
Maximum Area= 347.9



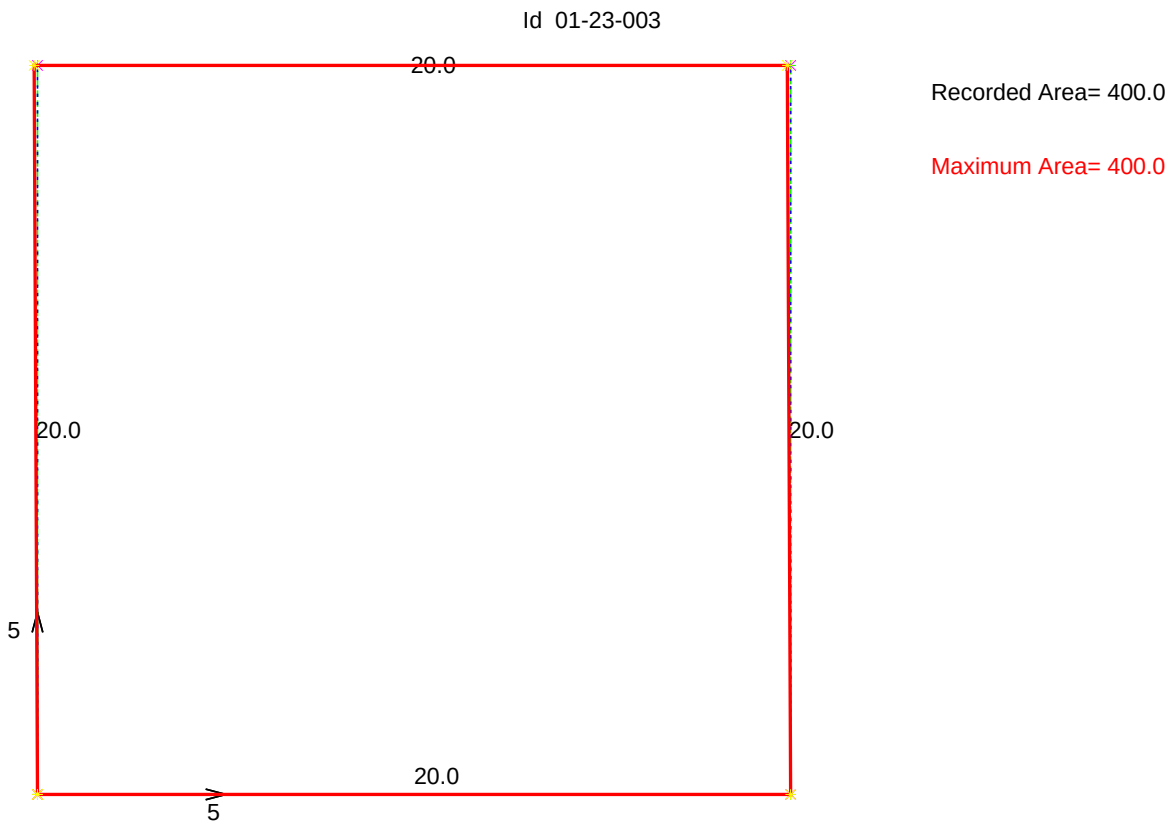
Return to beginning (10)



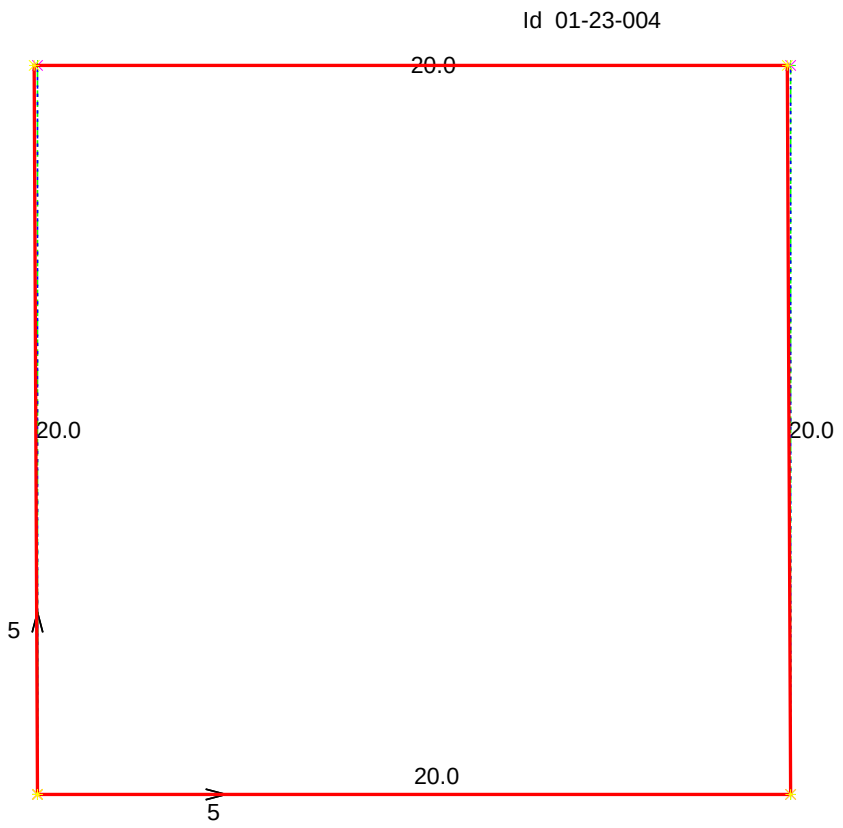
Return to beginning (10)



Return to beginning (10)



Return to beginning (11)



Recorded Area= 400.0

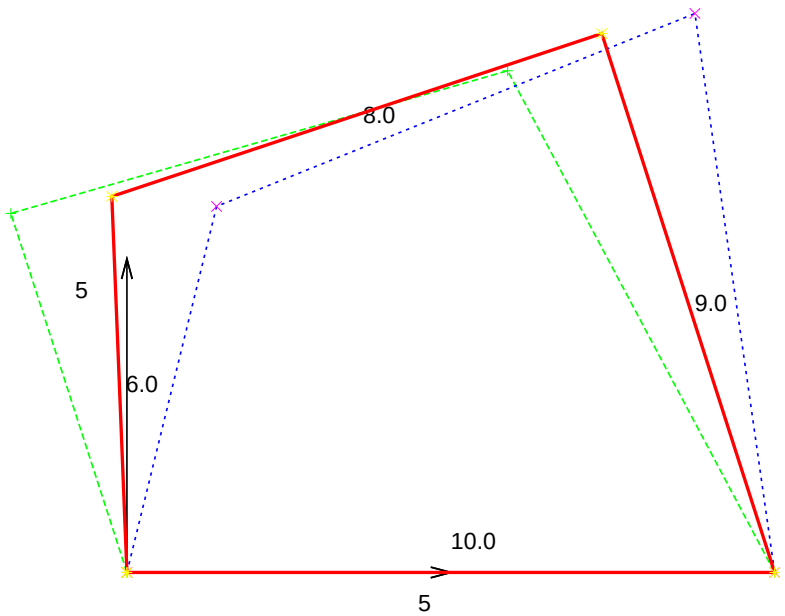
Maximum Area= 400.0

Return to beginning (11)

Id 01-23-006

Recorded Area= 64.0

Maximum Area= 66.0

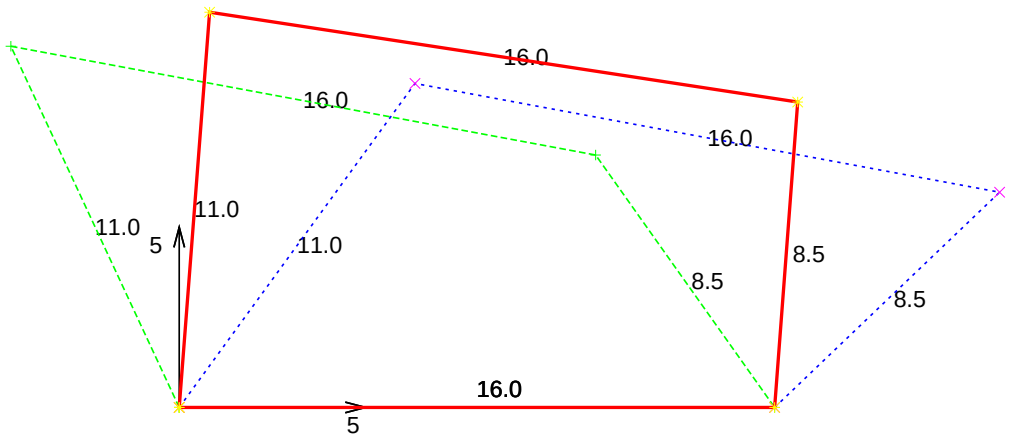


Return to beginning (11)

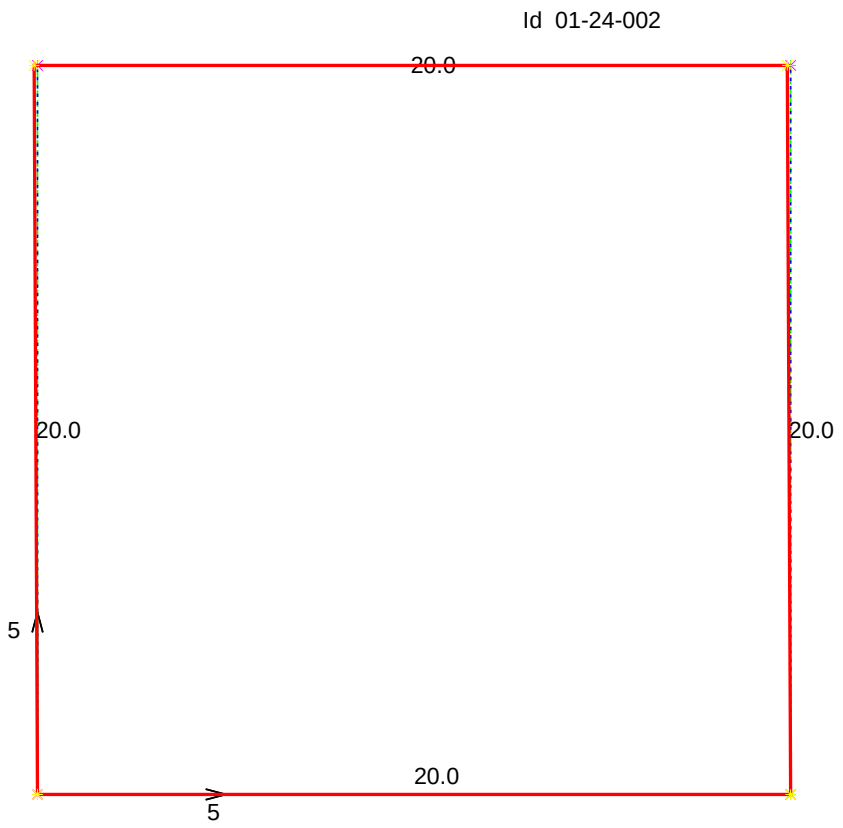
Id 01-24-001

Recorded Area= 128.0

Maximum Area= 155.5



Return to beginning (11)



Recorded Area= 400.0

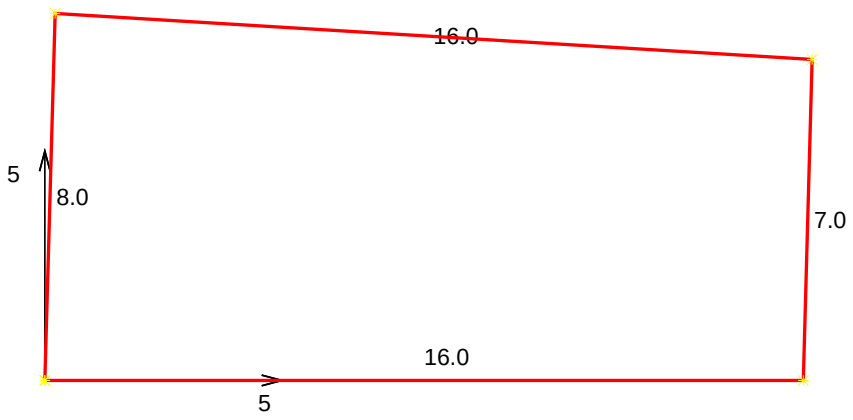
Maximum Area= 400.0

Return to beginning (11)

Id 01-25-001

Recorded Area= 126.0

Maximum Area= 119.9

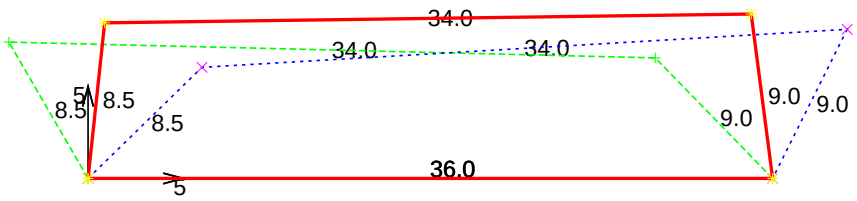


Return to beginning (11)

Id 01-26-003

Recorded Area= 242.0

Maximum Area= 304.2

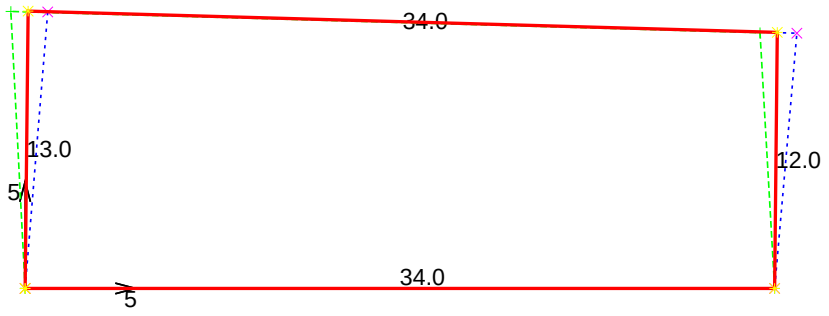


Return to beginning (11)

Id 01-26-004

Recorded Area= 424.0

Maximum Area= 425.0

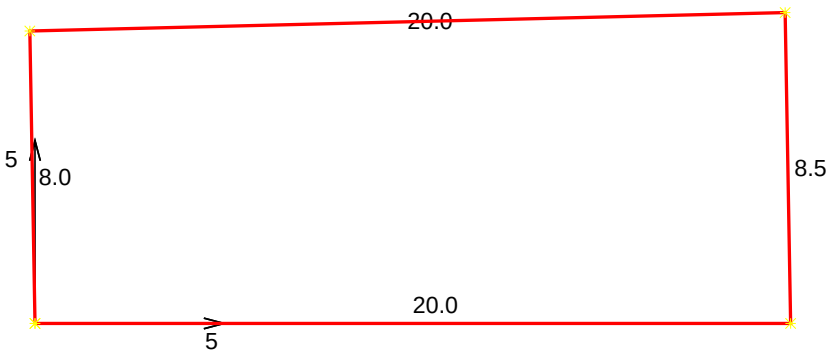


Return to beginning (11)

Id 01-26-005

Recorded Area= 300.0

Maximum Area= 165.0

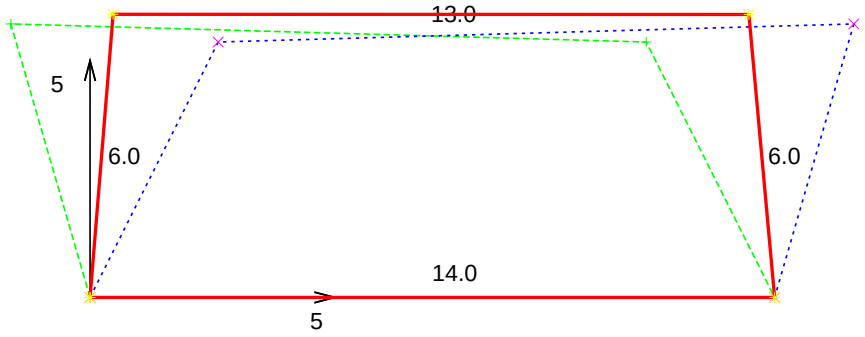


Return to beginning (11)

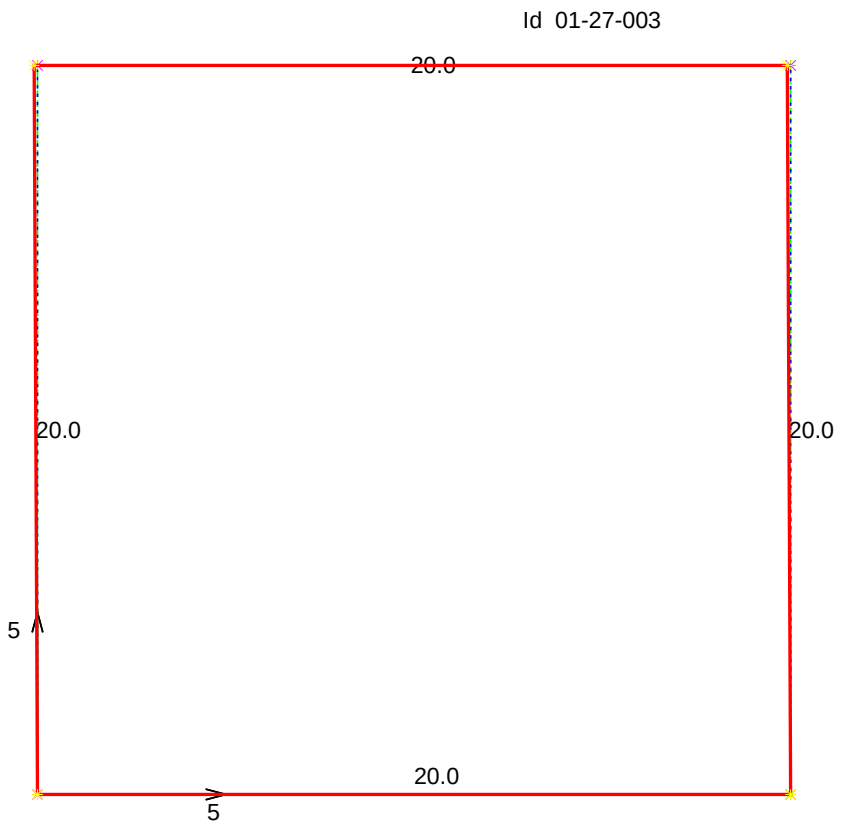
Id 01-27-002

Recorded Area= 75.0

Maximum Area= 80.7



Return to beginning (11)



Recorded Area= 400.0

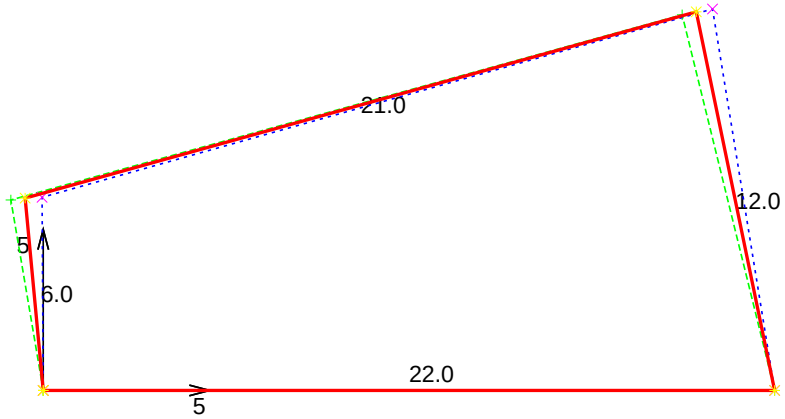
Maximum Area= 400.0

Return to beginning (11)

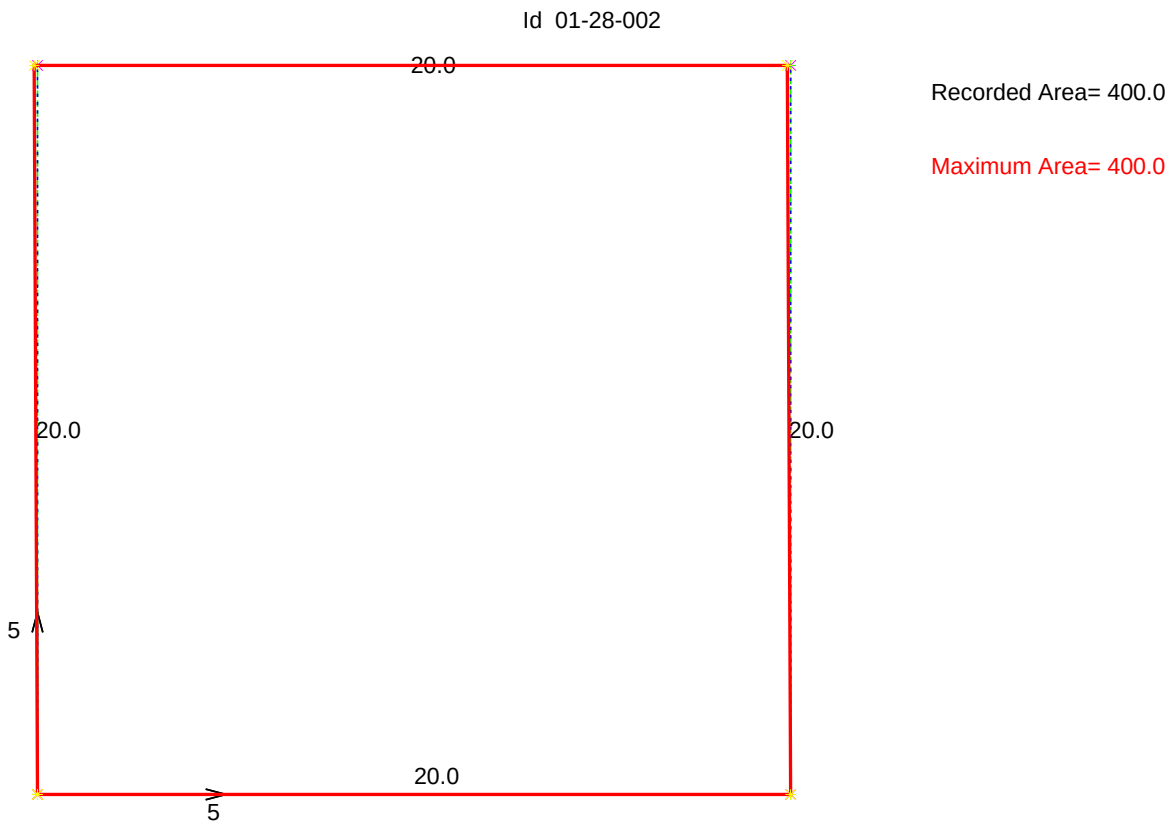
Id 01-28-001

Recorded Area= 191.0

Maximum Area= 191.3



Return to beginning (11)

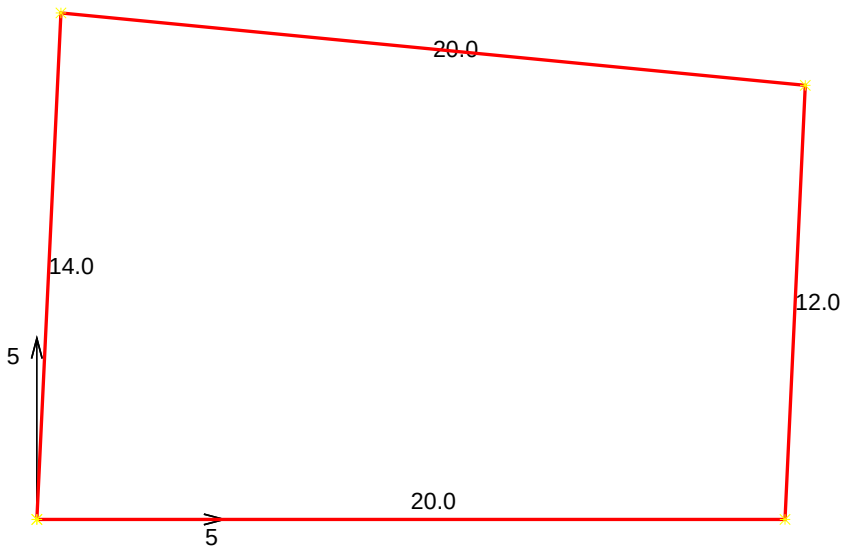


Return to beginning (11)

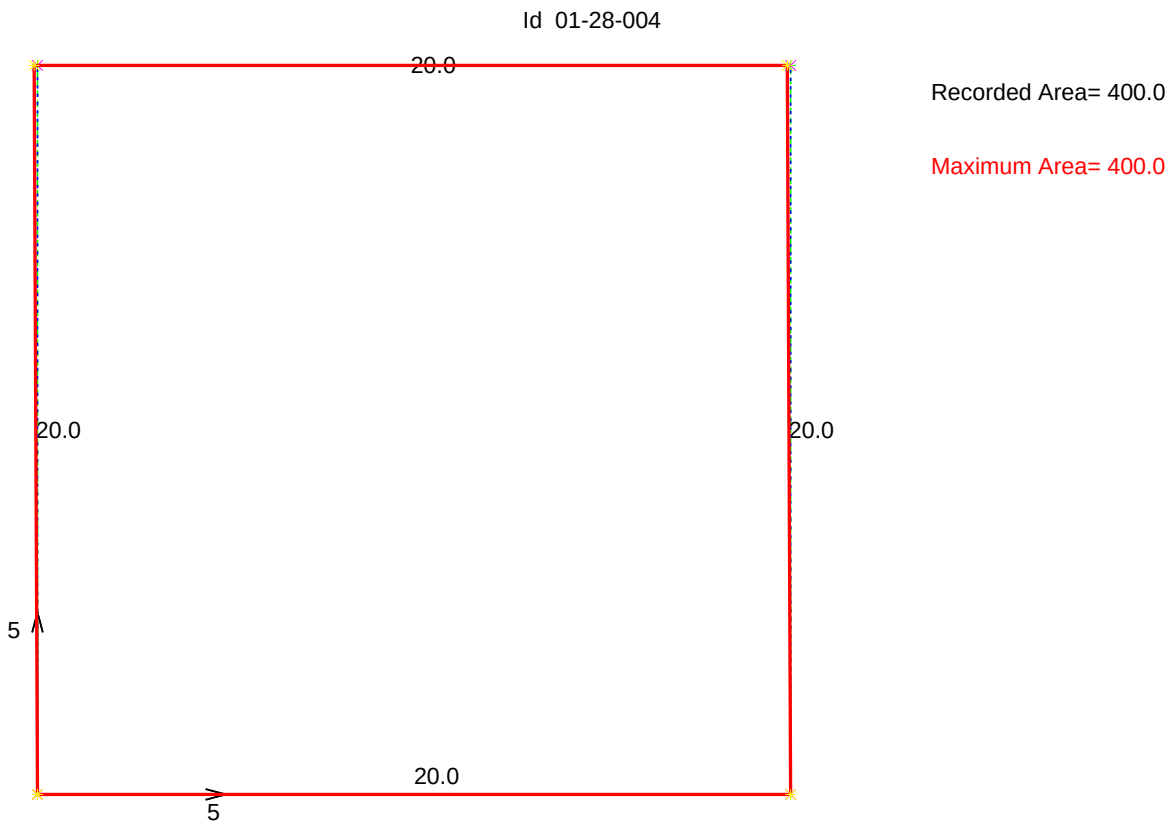
Id 01-28-003

Recorded Area= 260.0

Maximum Area= 259.7



Return to beginning (11)

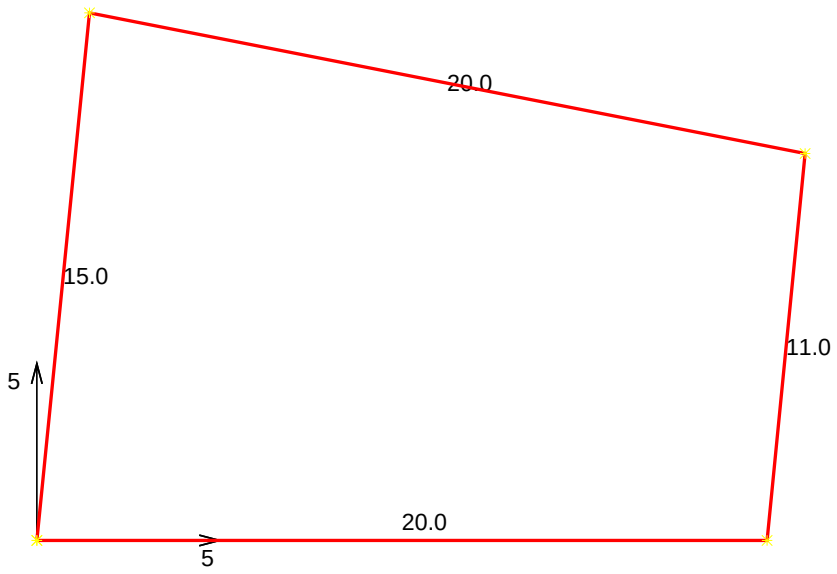


Return to beginning (11)

Id 01-28-005

Recorded Area= 260.0

Maximum Area= 258.7

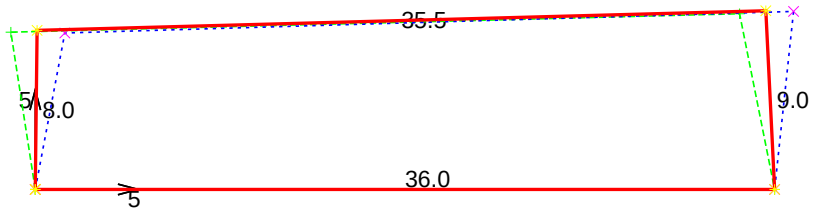


Return to beginning (11)

Id 01-29-001

Recorded Area= 300.0

Maximum Area= 303.7

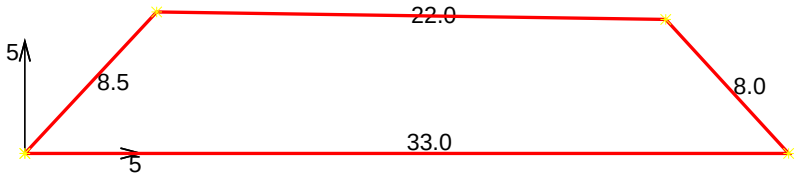


Return to beginning (12)

Id 01-29-003

Recorded Area= 176.0

Maximum Area= 169.1

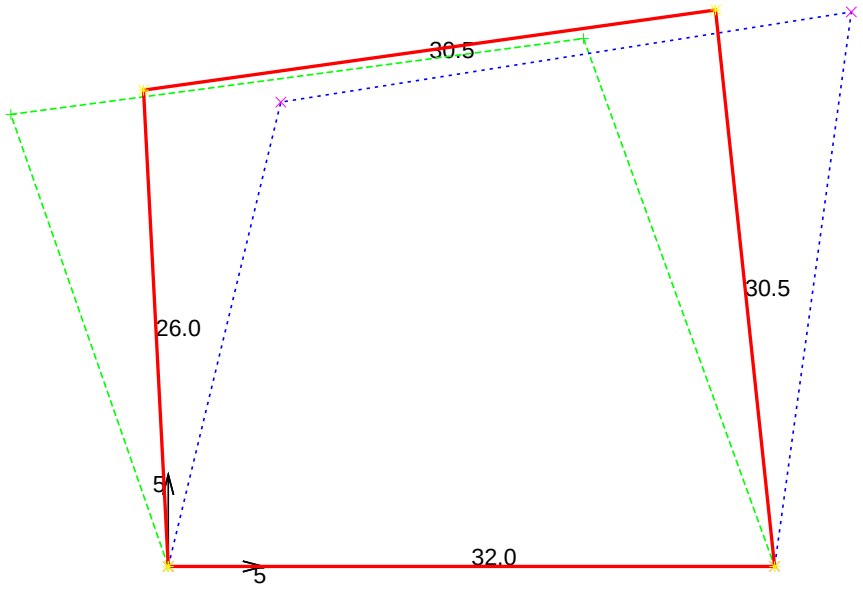


Return to beginning (12)

Id 01-29-005

Recorded Area= 850.0

Maximum Area= 880.2

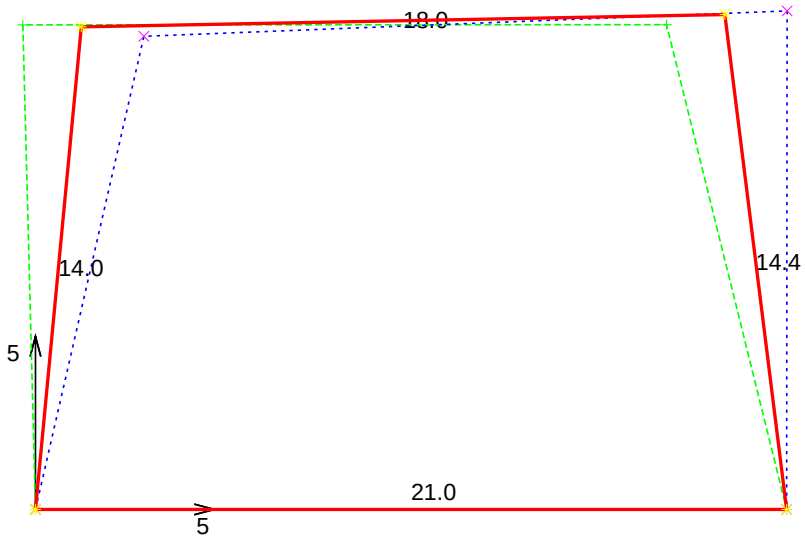


Return to beginning (12)

Id 01-29-008

Recorded Area= 273.0

Maximum Area= 275.3

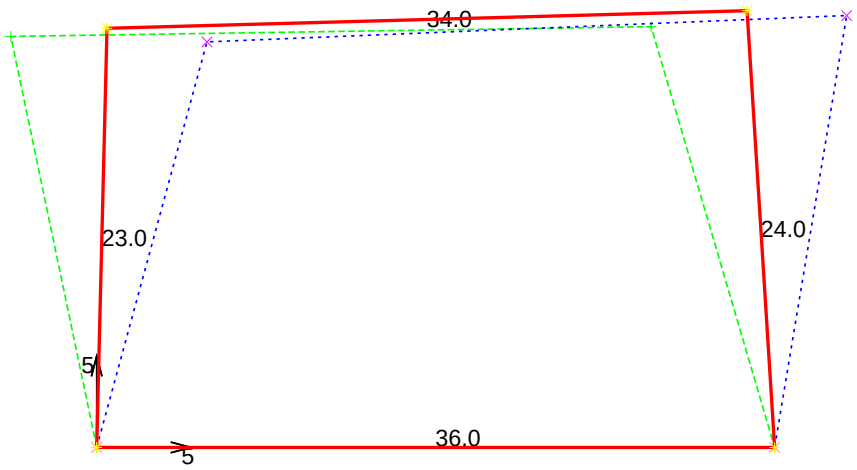


Return to beginning (12)

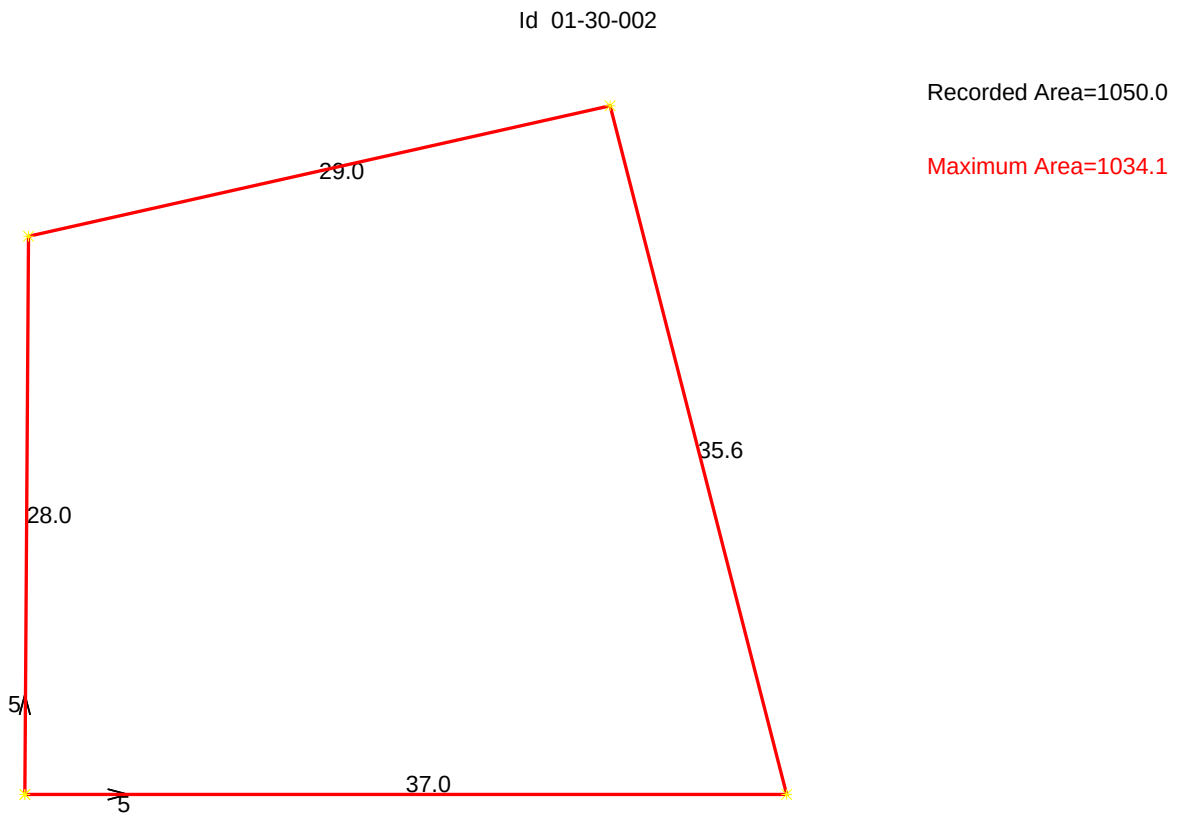
Id 01-29-009

Recorded Area= 800.0

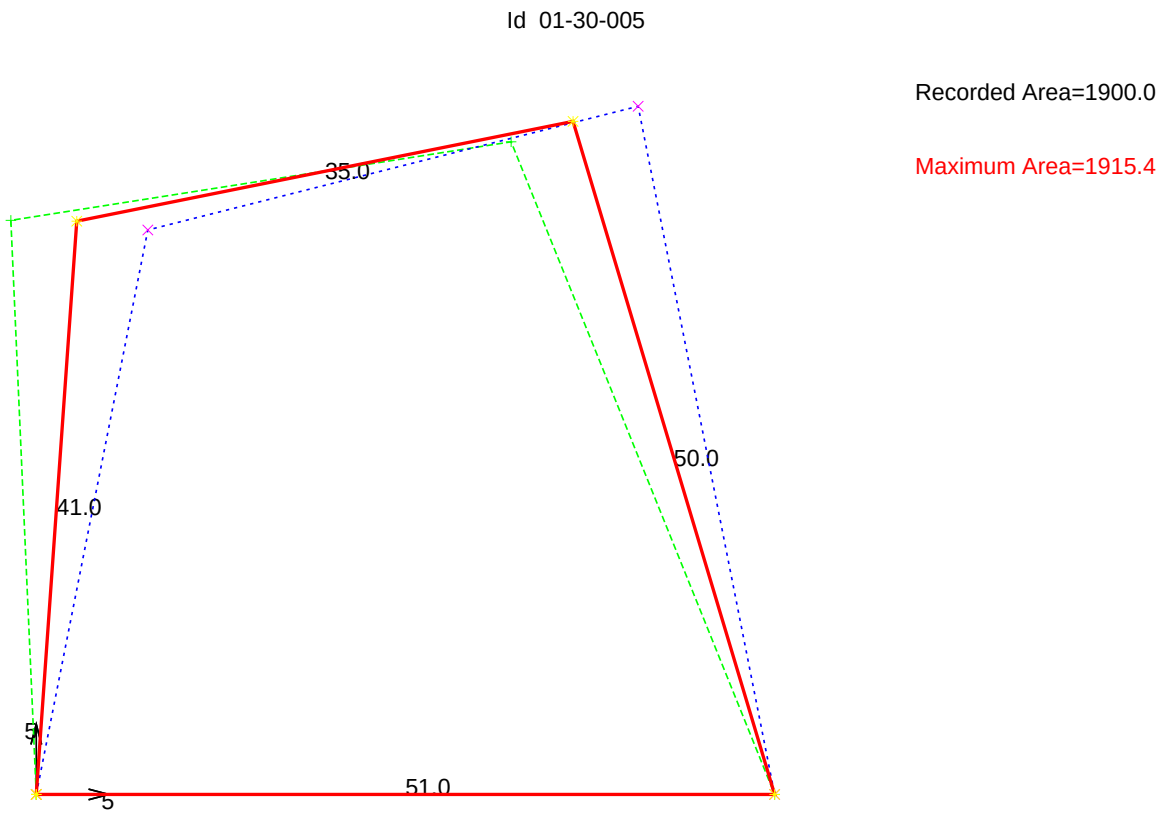
Maximum Area= 821.7



Return to beginning (12)



Return to beginning (12)

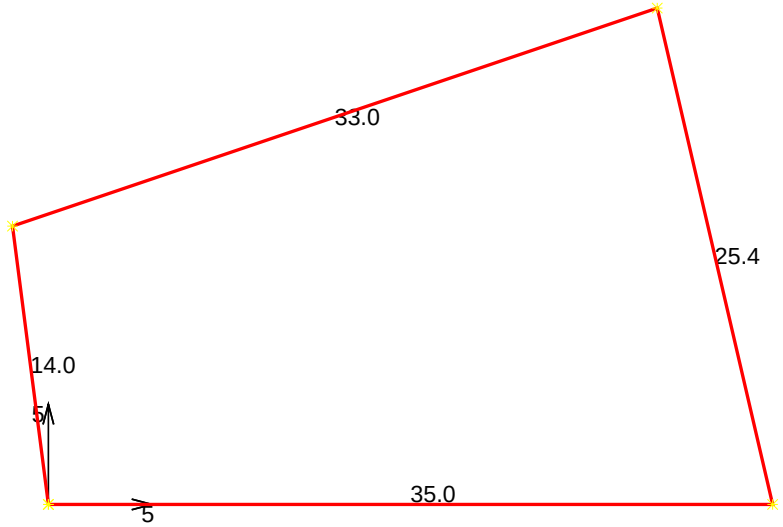


Return to beginning (12)

Id 01-30-006

Recorded Area= 700.0

Maximum Area= 659.5

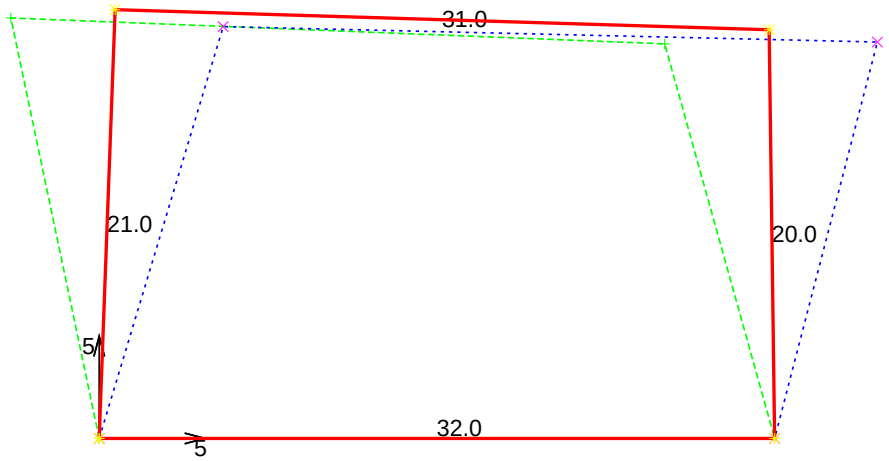


Return to beginning (12)

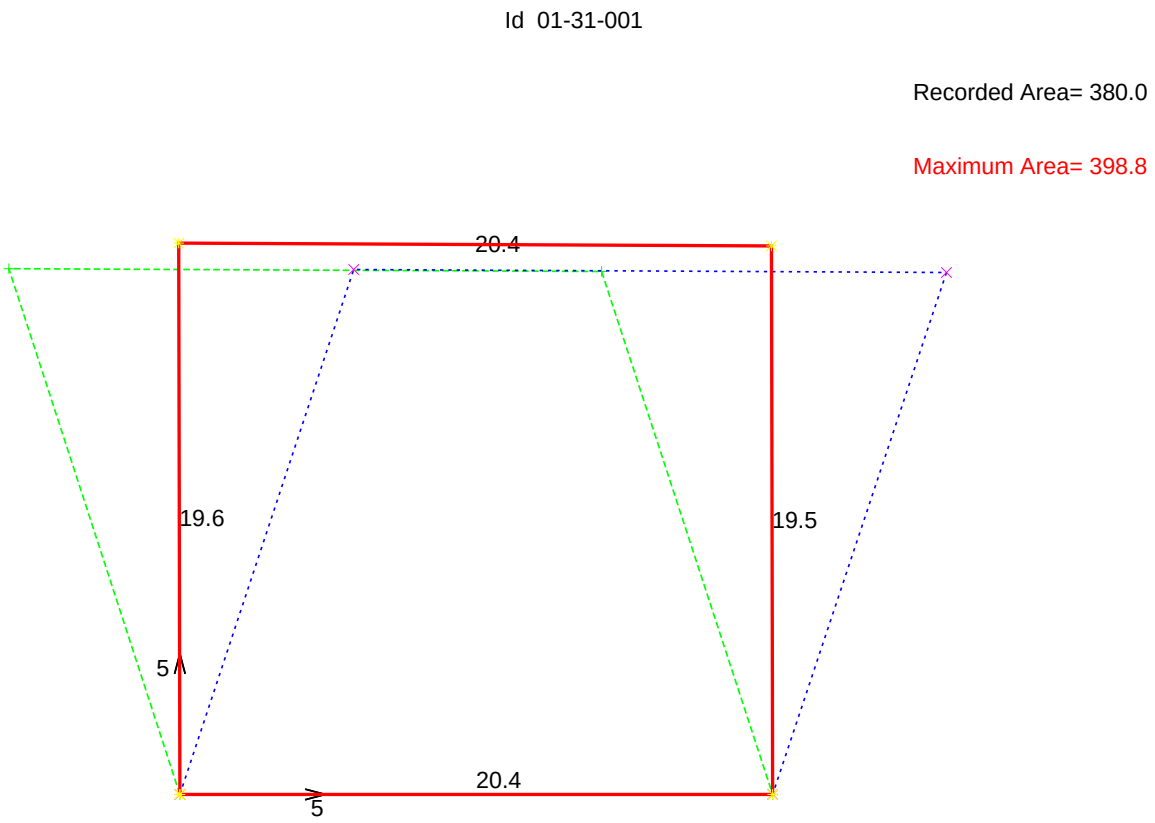
Id 01-30-009

Recorded Area= 625.0

Maximum Area= 645.5



Return to beginning (12)

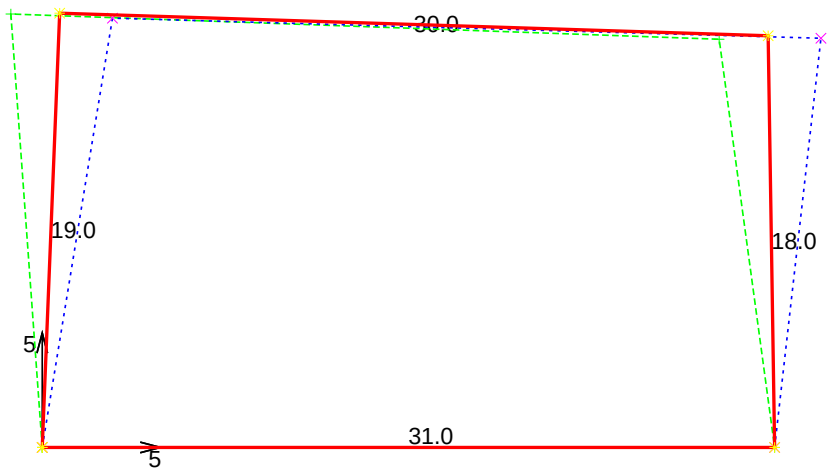


Return to beginning (12)

Id 01-31-002

Recorded Area= 560.0

Maximum Area= 564.0

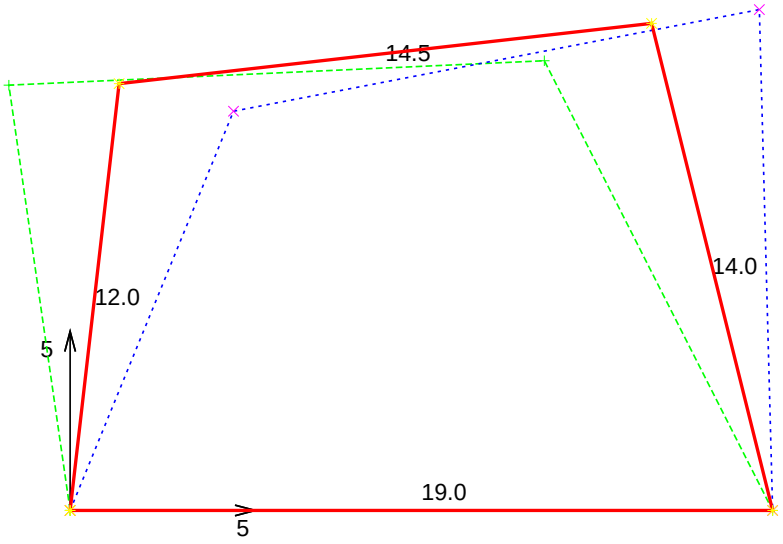


Return to beginning (12)

Id 01-32-001

Recorded Area= 206.0

Maximum Area= 214.1

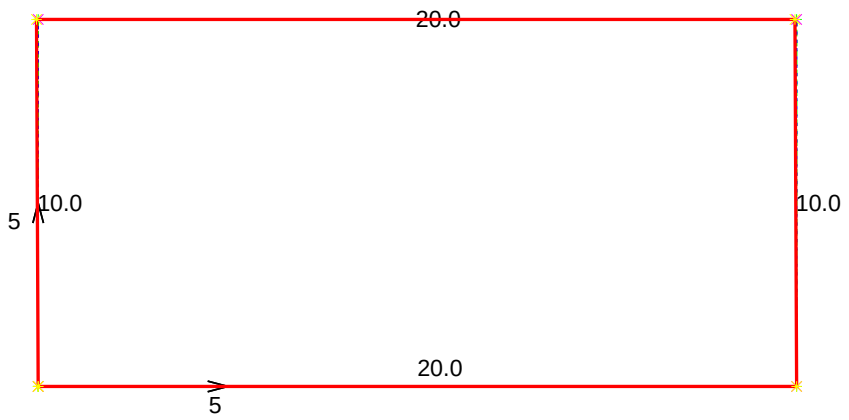


Return to beginning (12)

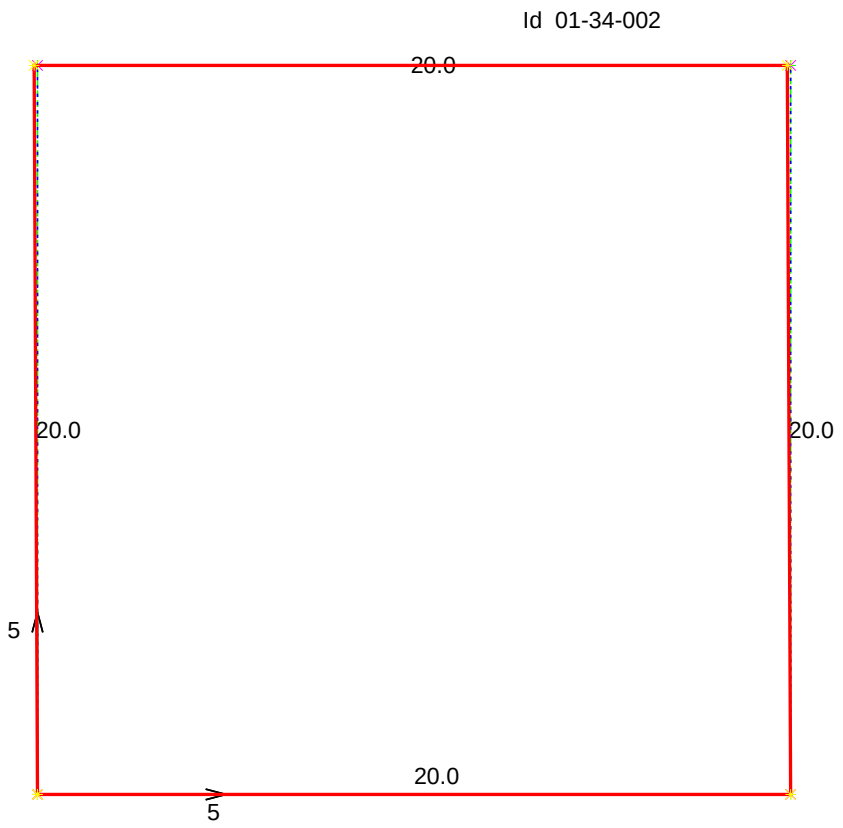
Id 01-33-002

Recorded Area= 200.0

Maximum Area= 200.0



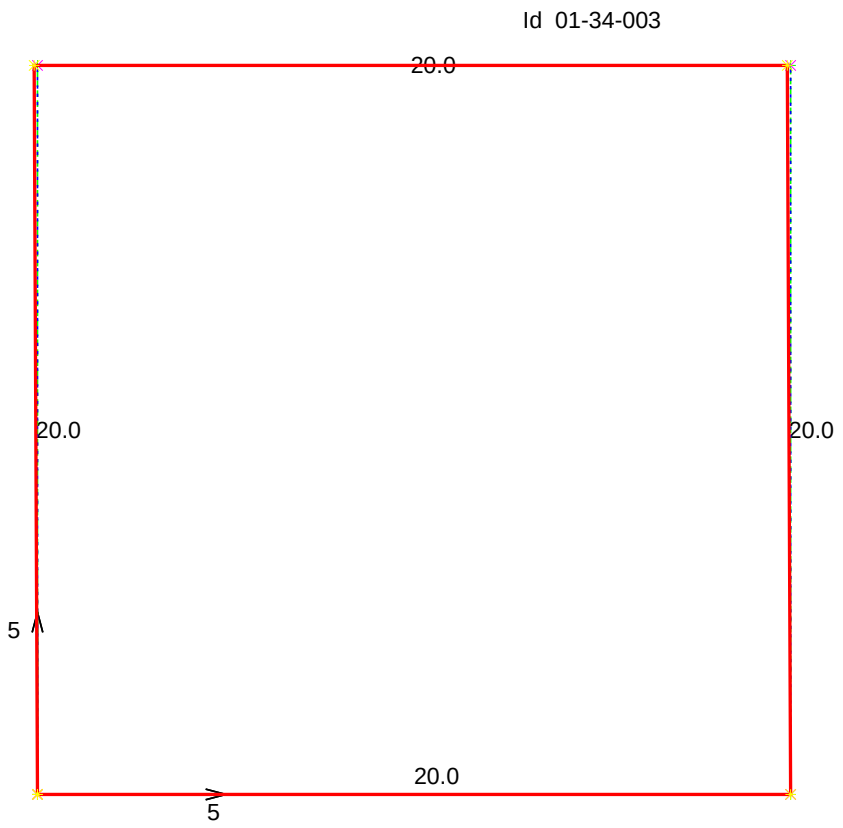
Return to beginning (12)



Recorded Area= 400.0

Maximum Area= 400.0

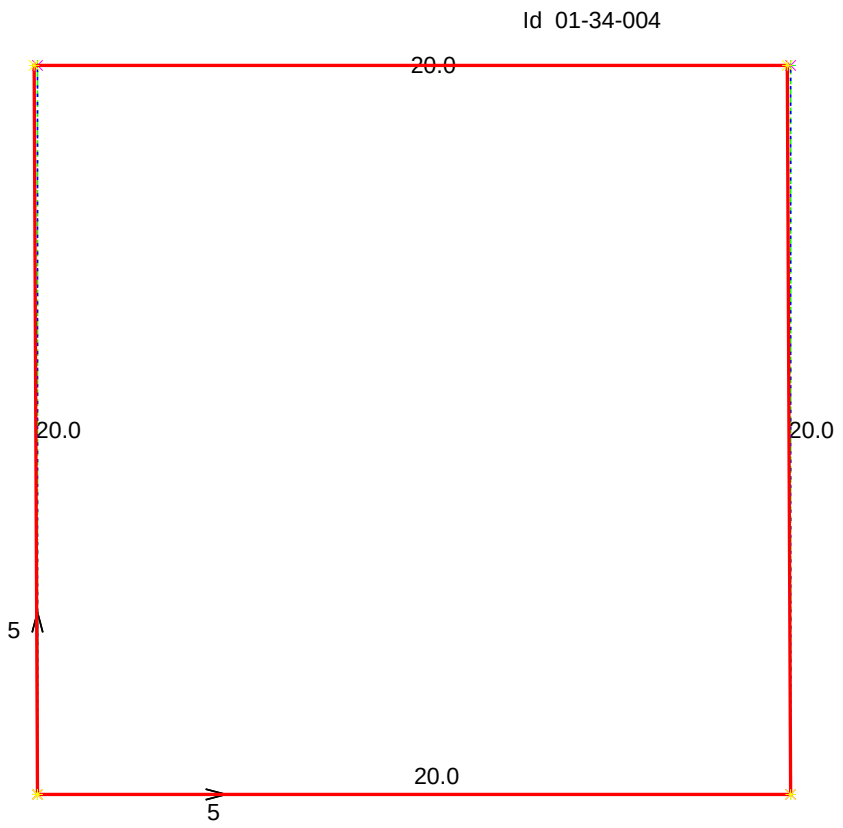
Return to beginning (12)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (12)



Recorded Area= 400.0

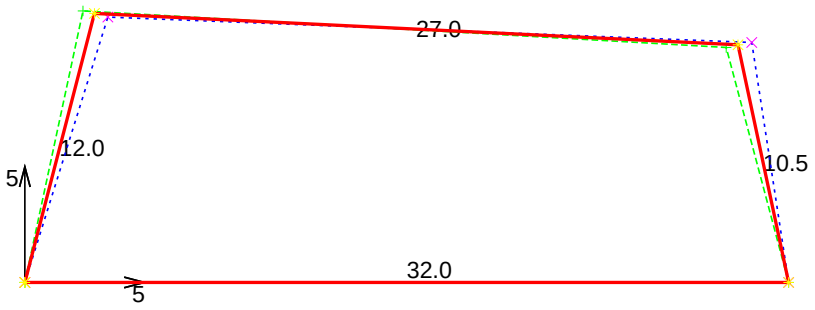
Maximum Area= 400.0

Return to beginning (12)

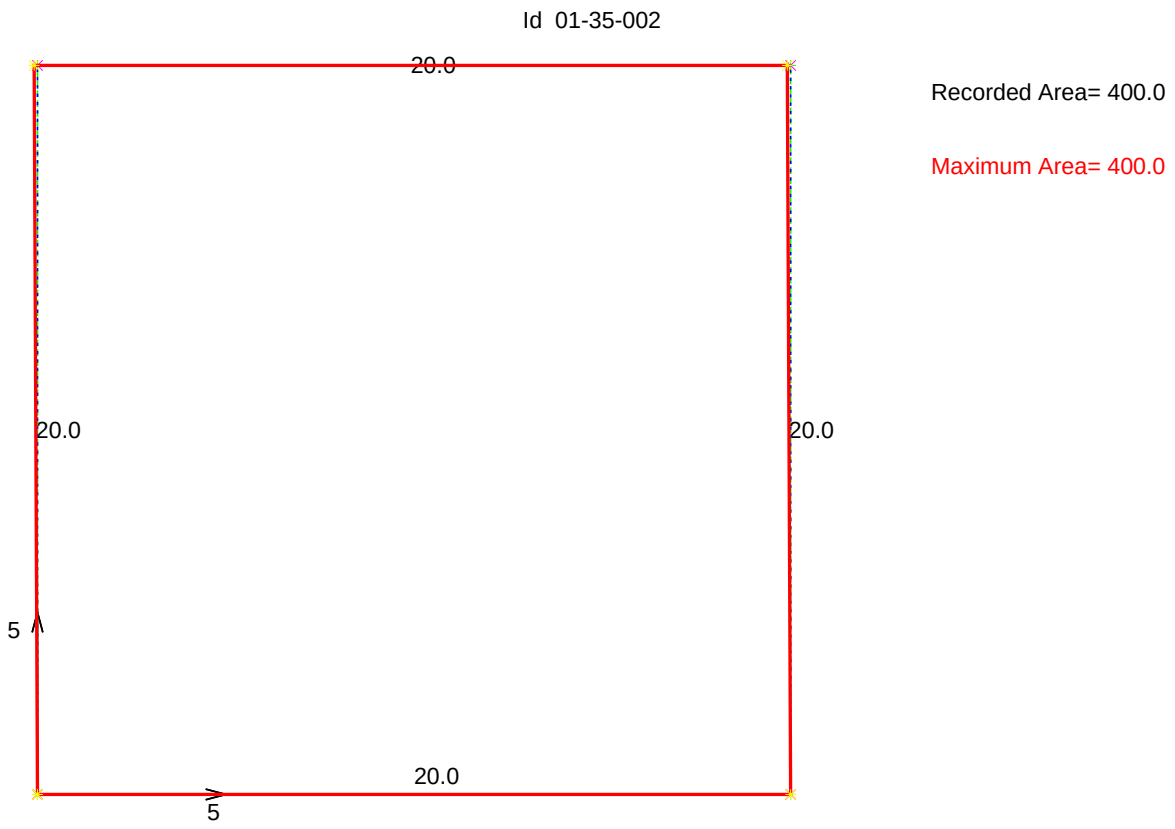
Id 01-35-001

Recorded Area= 323.0

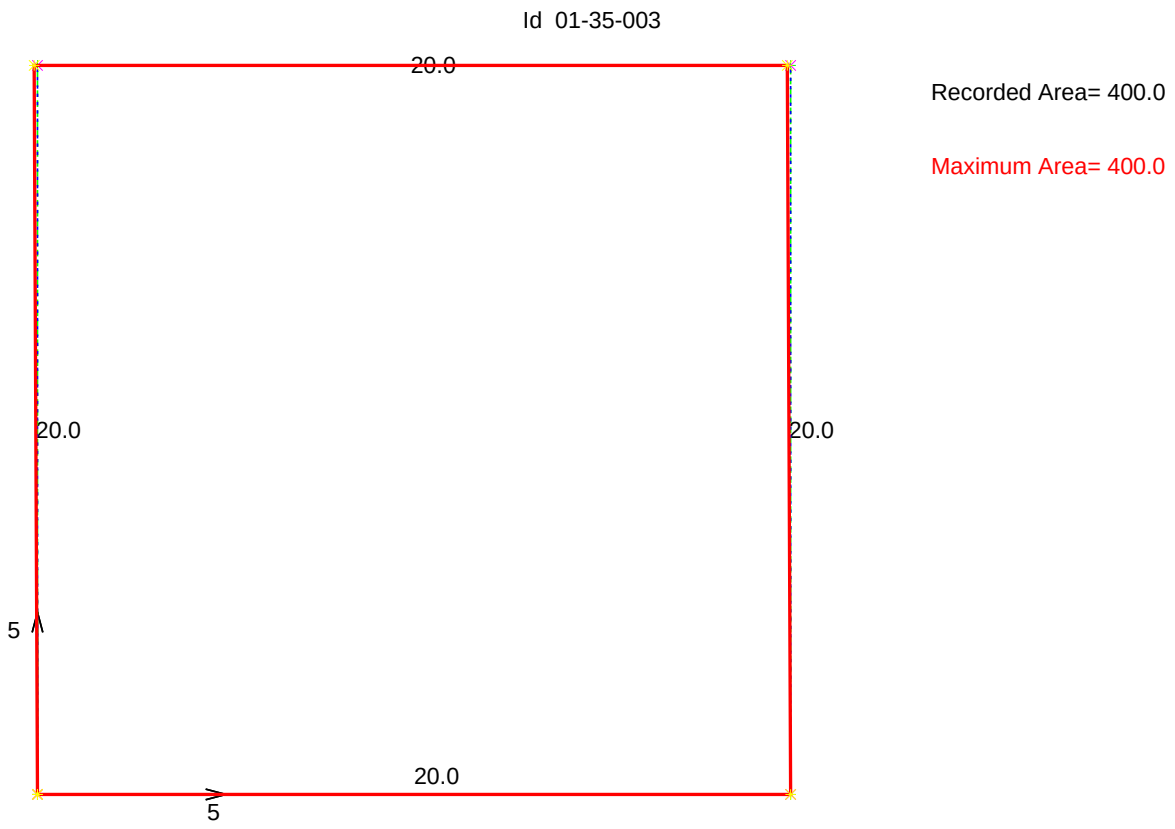
Maximum Area= 323.5



Return to beginning (13)



Return to beginning (13)

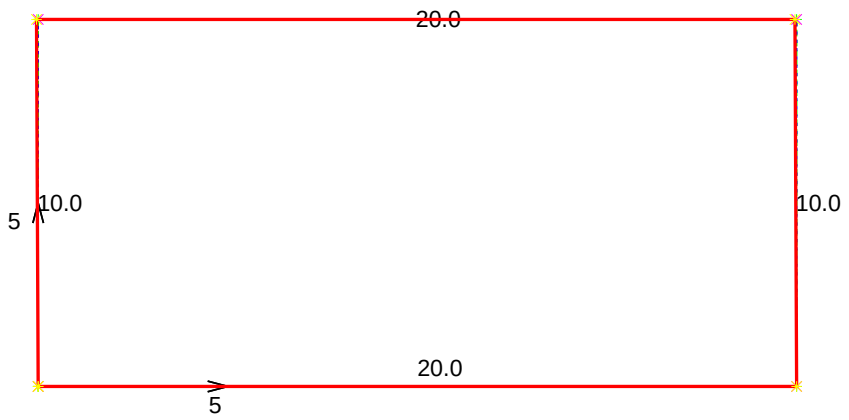


Return to beginning (13)

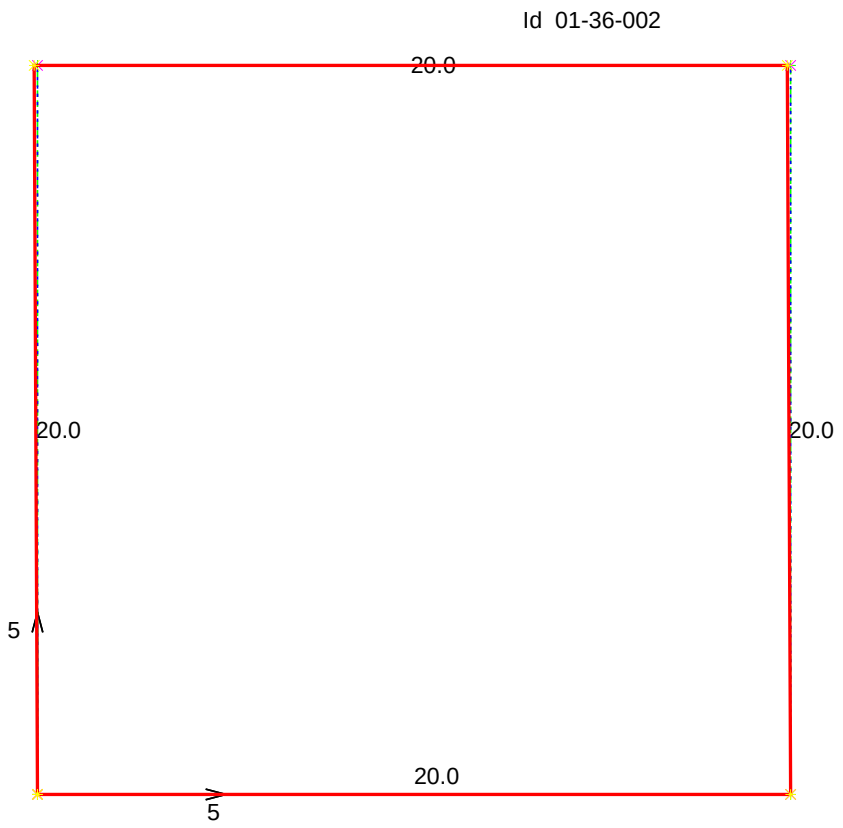
Id 01-35-004

Recorded Area= 200.0

Maximum Area= 200.0



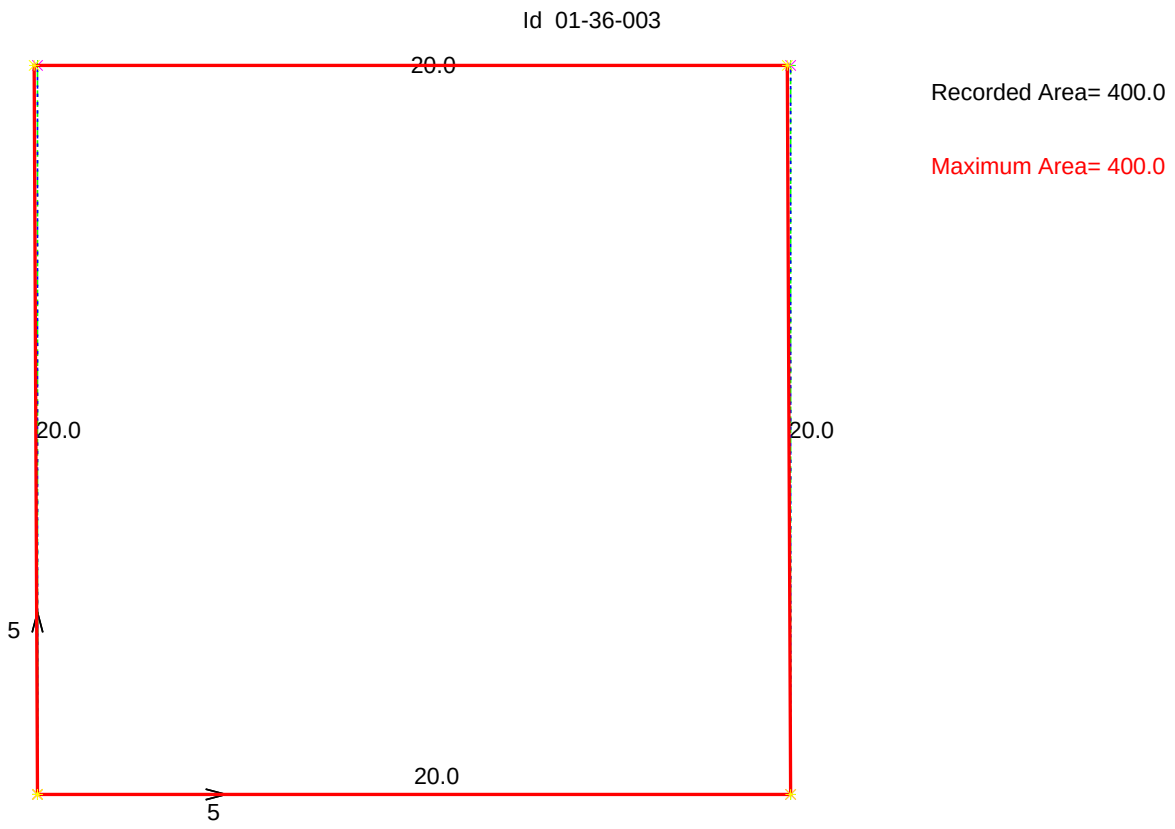
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (13)

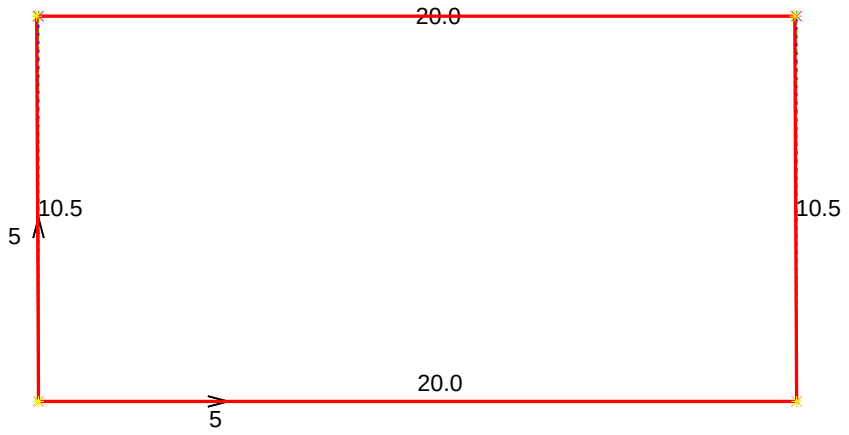


Return to beginning (13)

Id 01-36-004

Recorded Area= 210.0

Maximum Area= 210.0

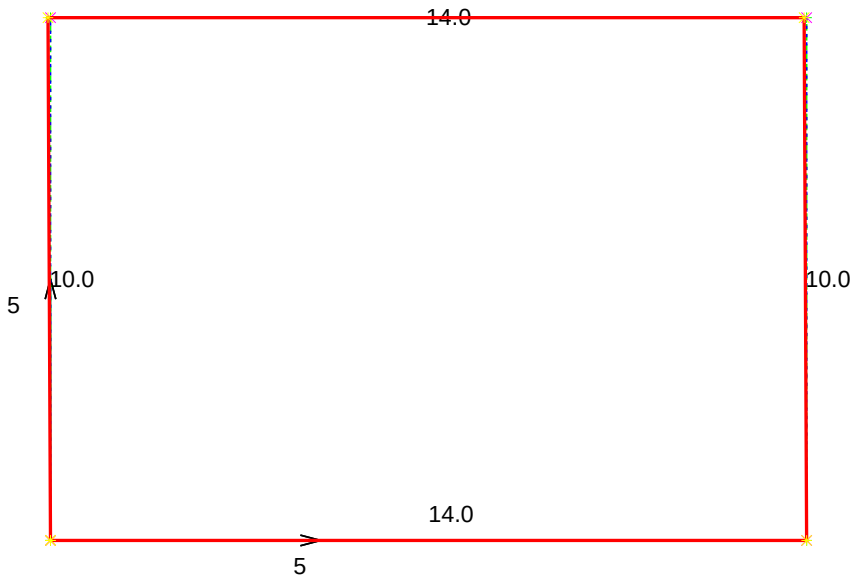


Return to beginning (13)

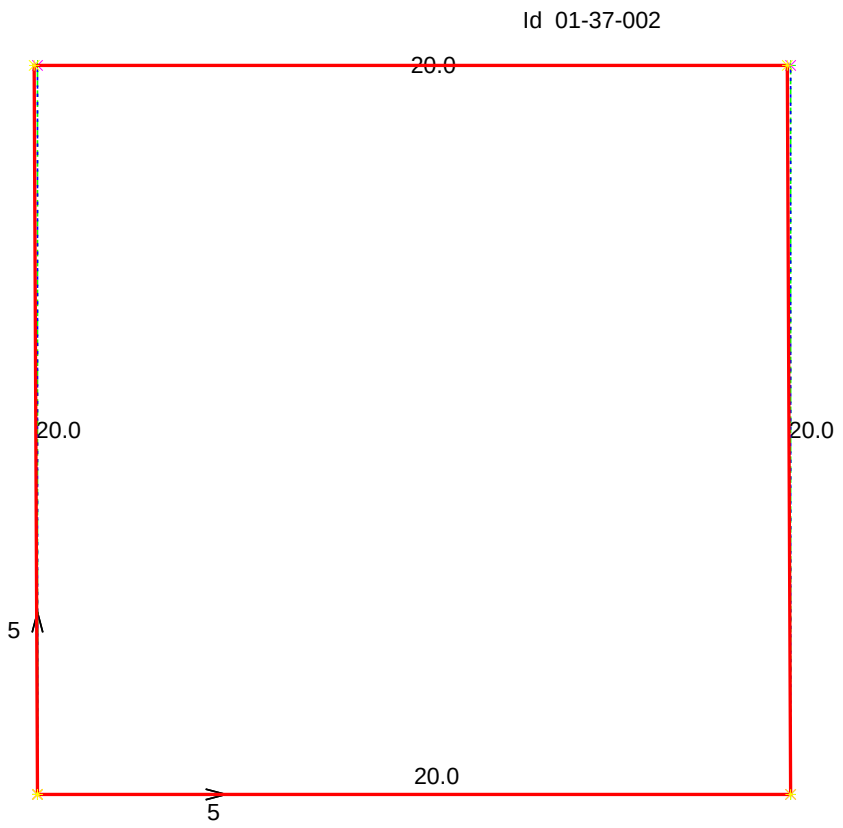
Id 01-37-001

Recorded Area= 140.0

Maximum Area= 140.0



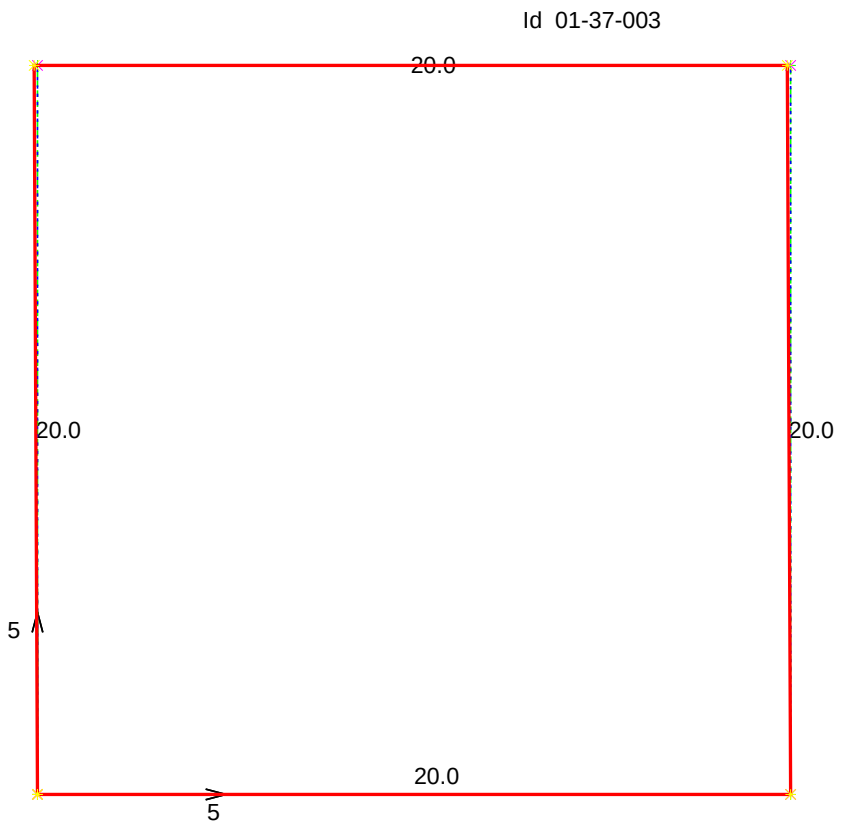
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

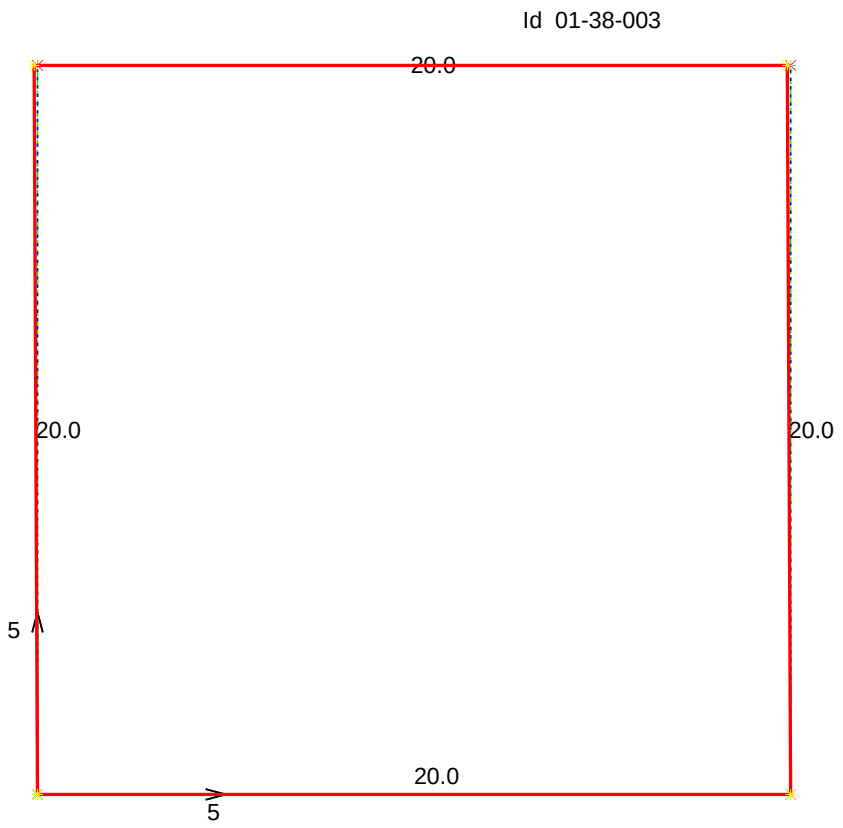
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

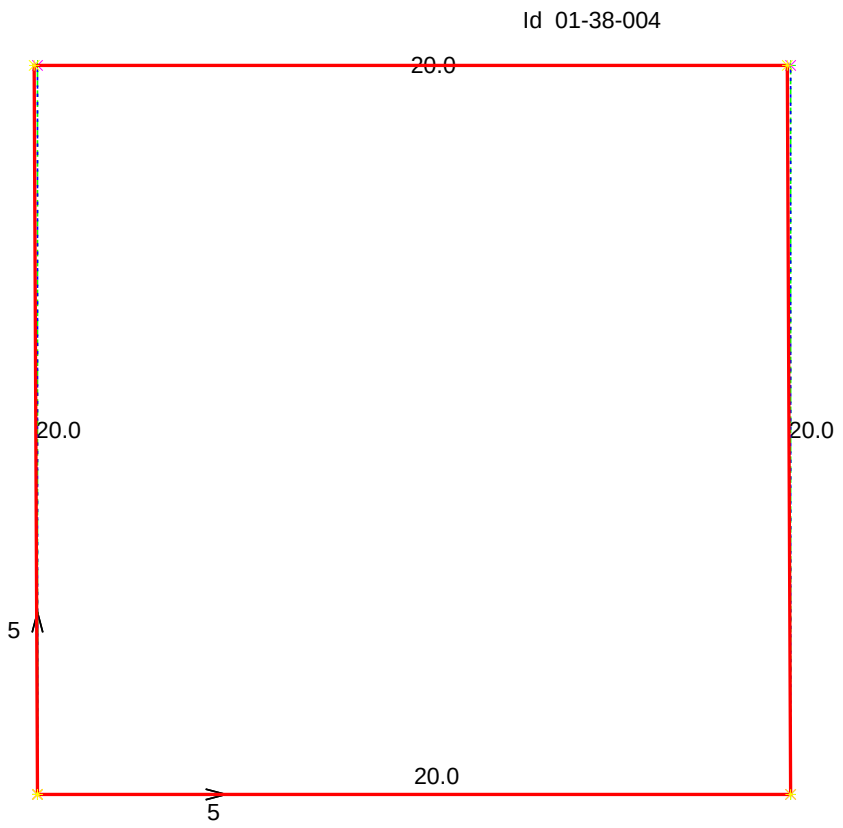
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

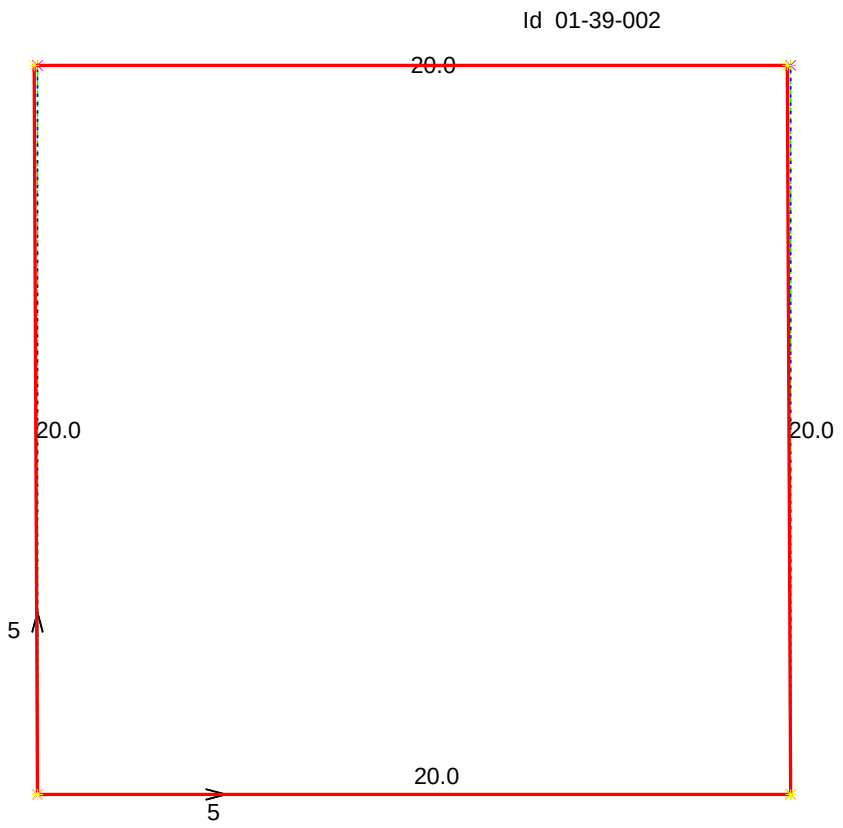
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

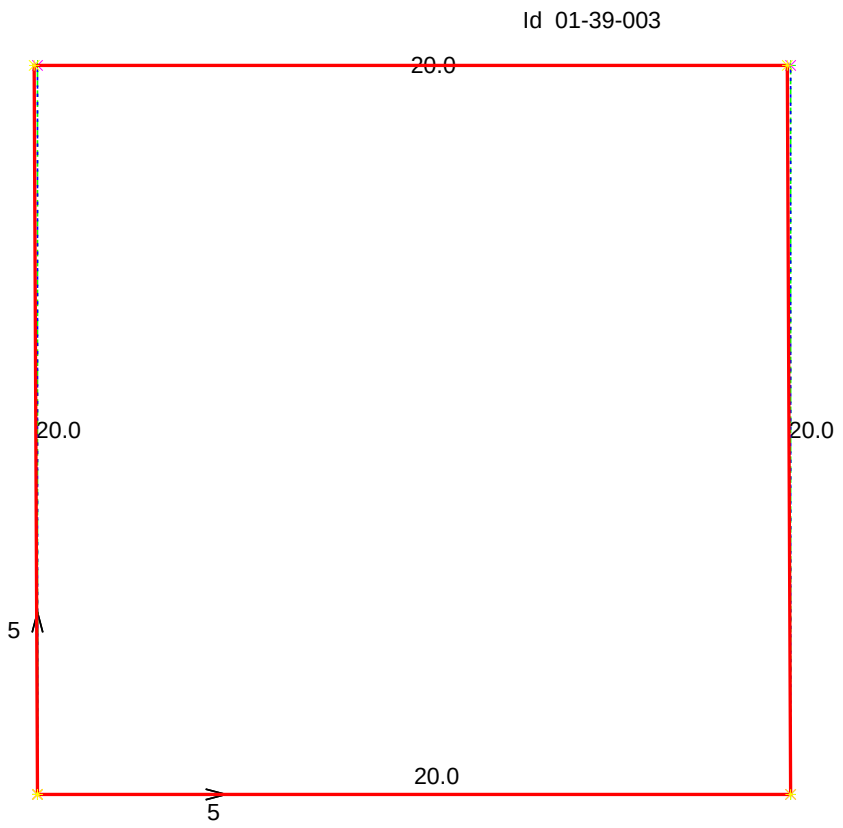
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

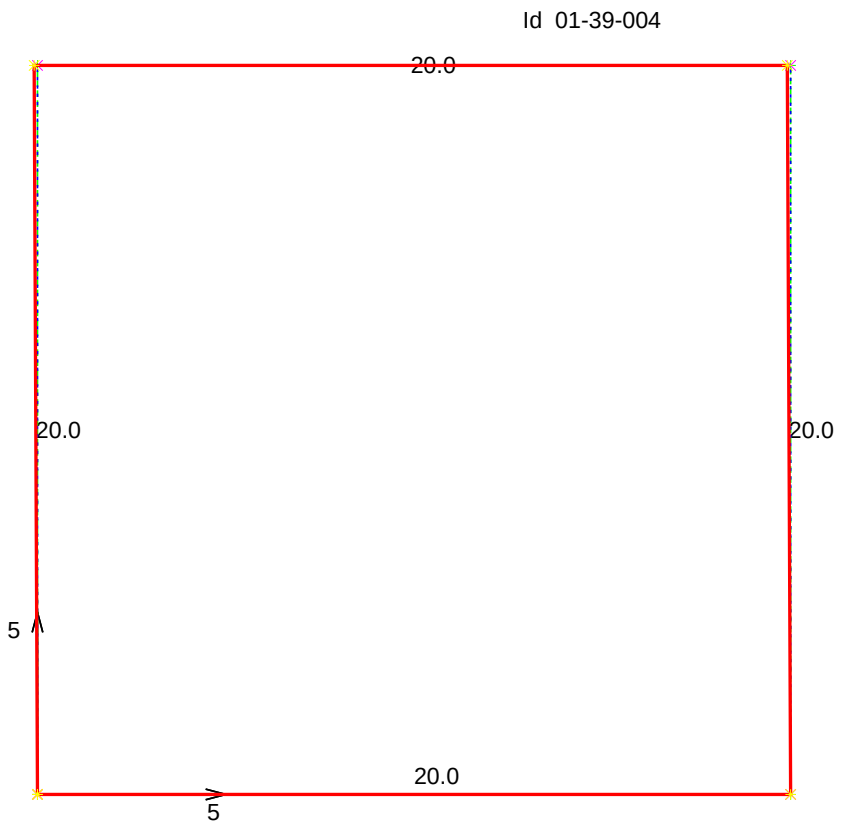
Return to beginning (13)



Recorded Area= 400.0

Maximum Area= 400.0

Return to beginning (13)



Recorded Area= 400.0

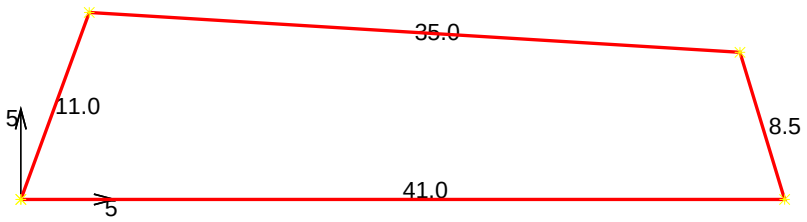
Maximum Area= 400.0

Return to beginning (13)

Id 02-01-002

Recorded Area= 366.0

Maximum Area= 352.3

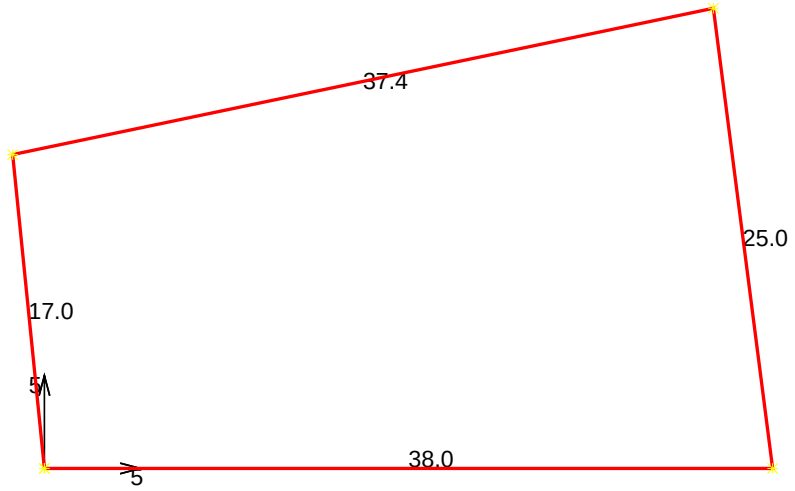


Return to beginning (13)

Id 02-02-001

Recorded Area= 931.0

Maximum Area= 787.2

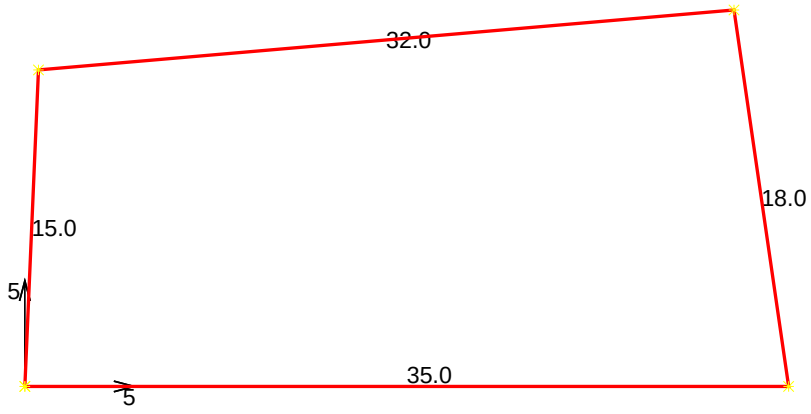


Return to beginning (14)

Id 02-02-002

Recorded Area= 566.0

Maximum Area= 549.9

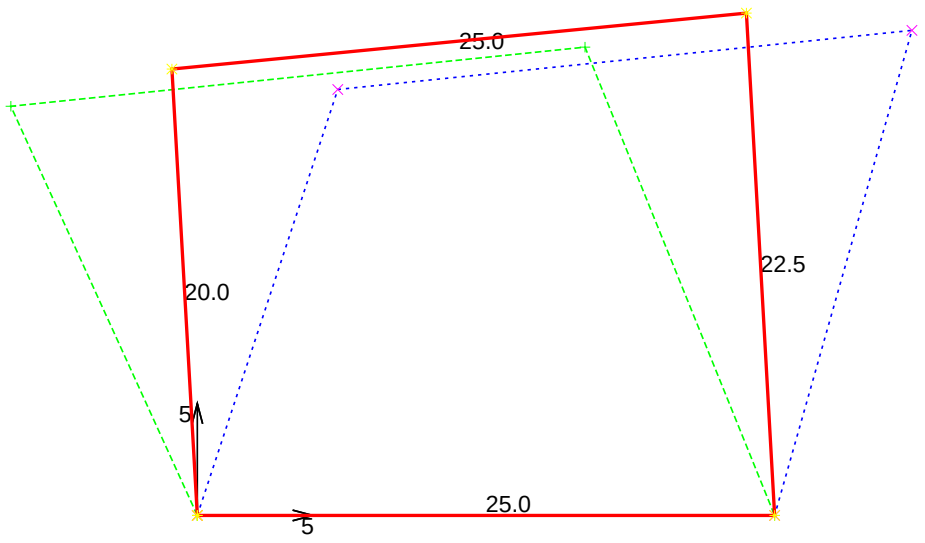


Return to beginning (14)

Id 02-02-003

Recorded Area= 500.0

Maximum Area= 530.6

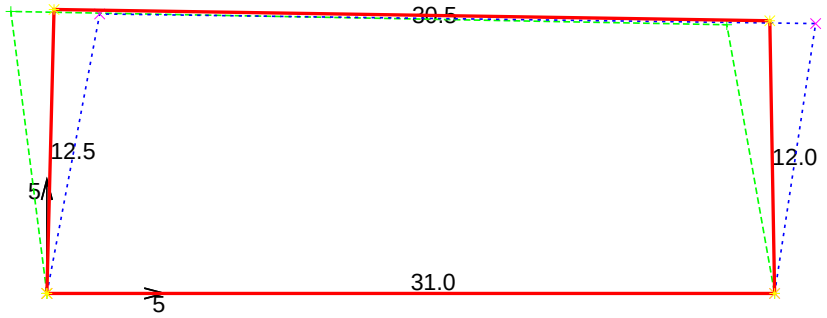


Return to beginning (14)

Id 02-03-002

Recorded Area= 372.0

Maximum Area= 376.6

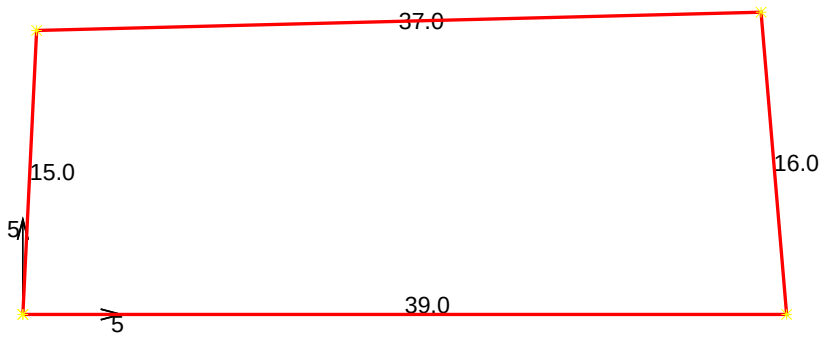


Return to beginning (14)

Id 02-03-004

Recorded Area= 592.0

Maximum Area= 587.7

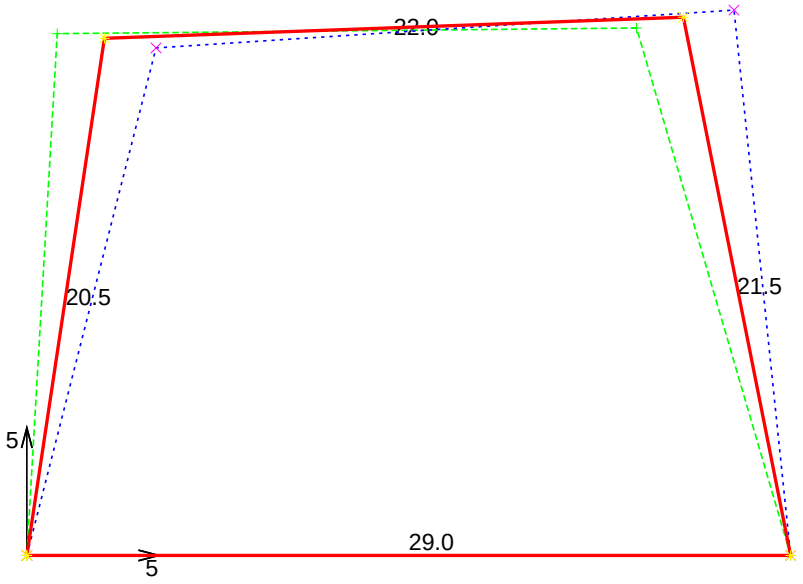


Return to beginning (14)

Id 02-03-005

Recorded Area= 525.0

Maximum Area= 527.9

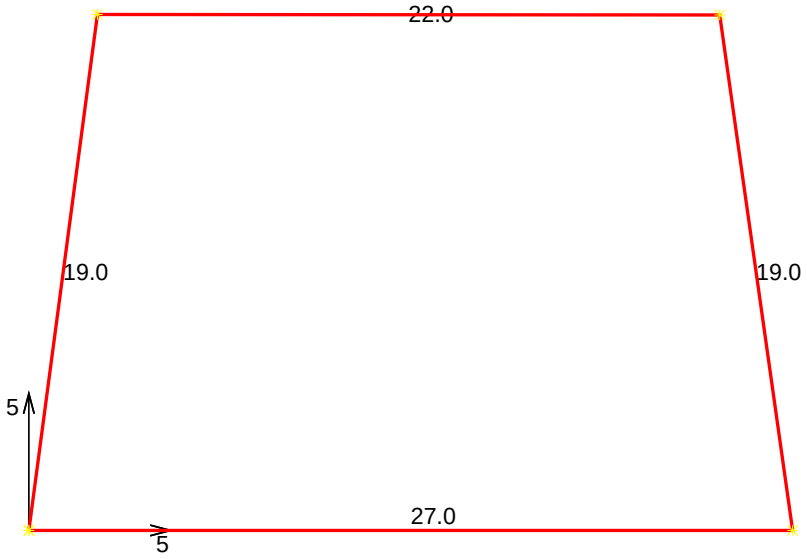


Return to beginning (14)

Id 02-03-008

Recorded Area= 822.0

Maximum Area= 461.5

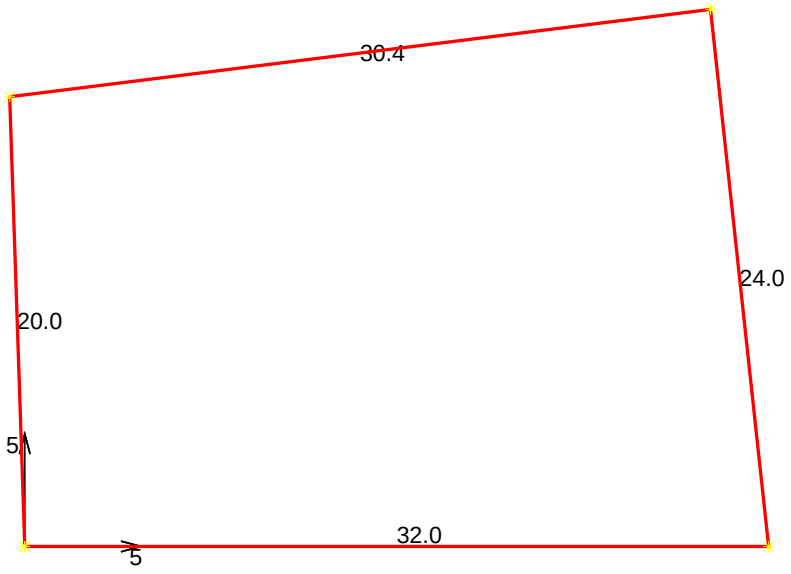


Return to beginning (14)

Id 02-04-001

Recorded Area= 745.0

Maximum Area= 684.5

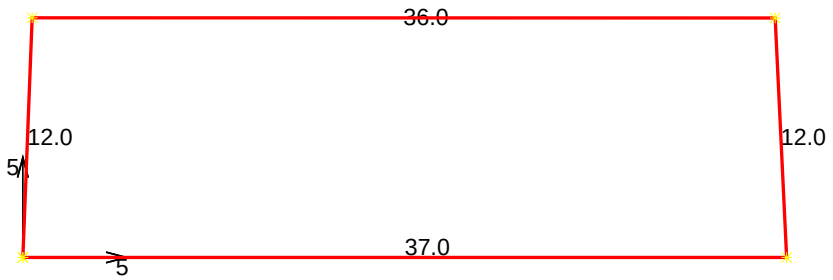


Return to beginning (14)

Id 02-05-001

Recorded Area= 438.0

Maximum Area= 437.6

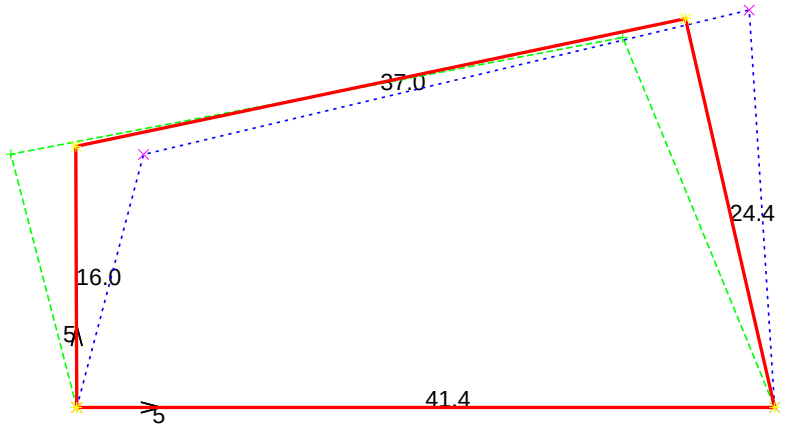


Return to beginning (14)

Id 02-05-002

Recorded Area= 765.0

Maximum Area= 782.6

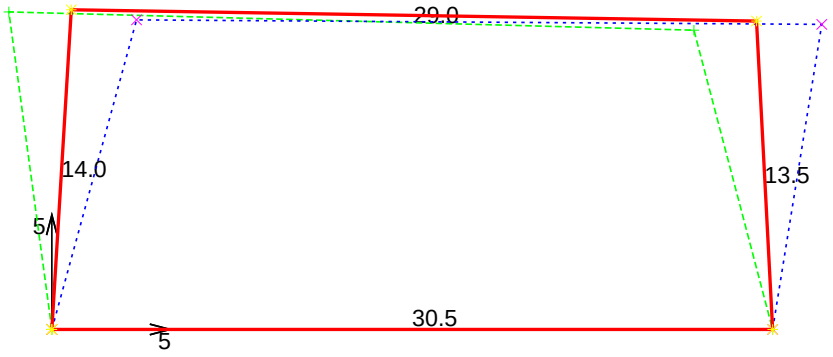


Return to beginning (14)

Id 02-05-003

Recorded Area= 400.0

Maximum Area= 408.4

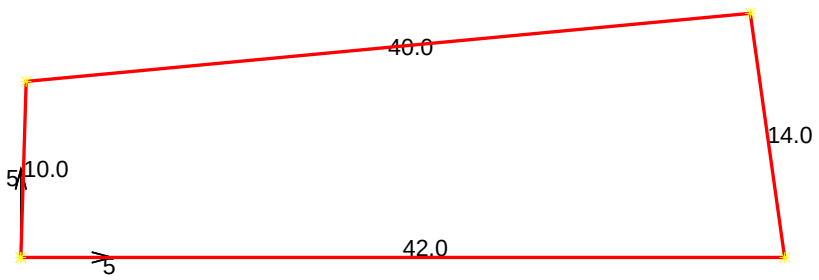


Return to beginning (14)

Id 02-05-004

Recorded Area= 492.0

Maximum Area= 489.7

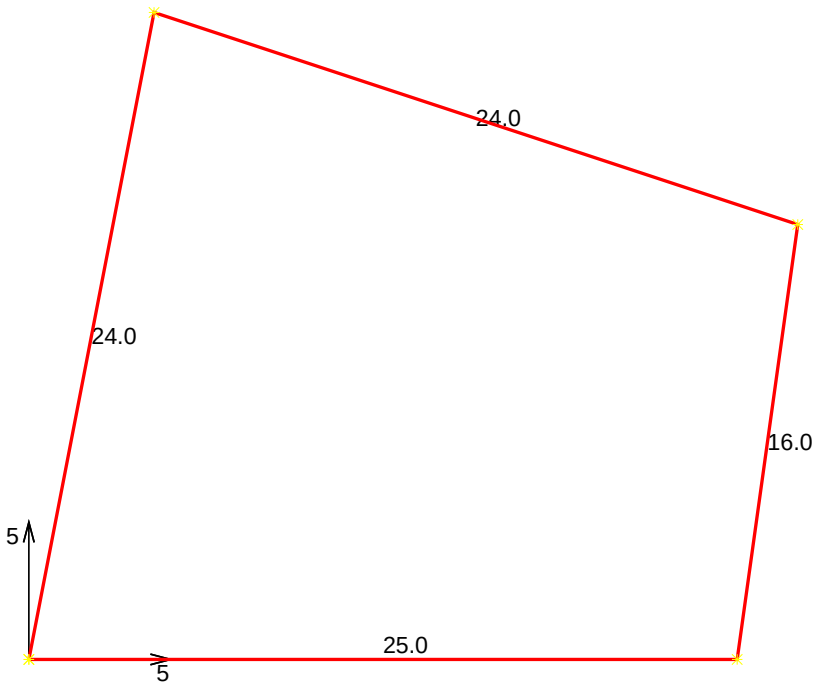


Return to beginning (14)

Id 02-06-002

Recorded Area= 492.0

Maximum Area= 483.3

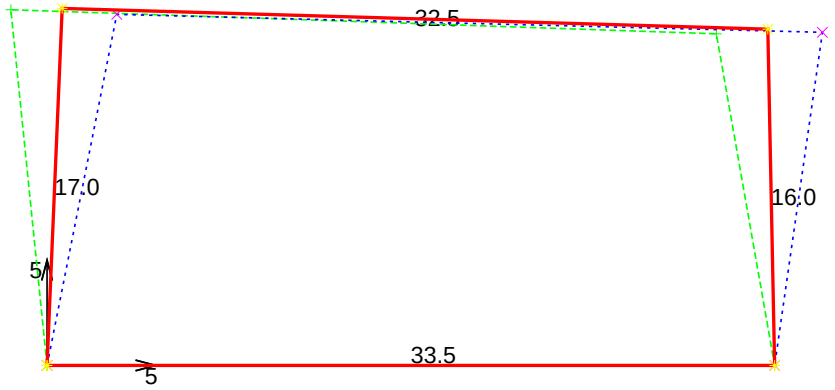


Return to beginning (14)

Id 02-06-003

Recorded Area= 538.0

Maximum Area= 544.2

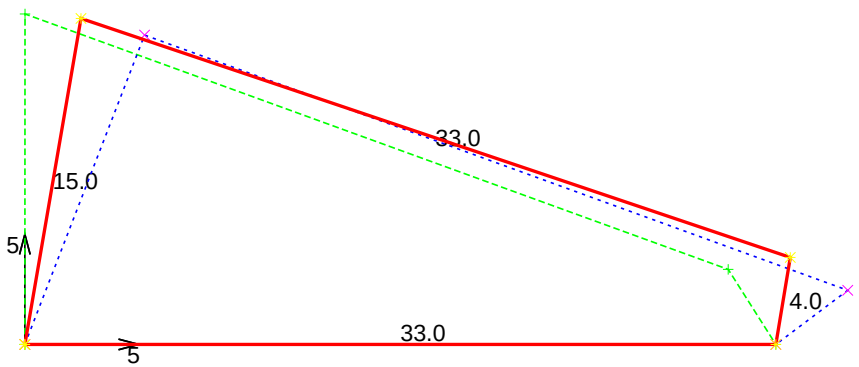


Return to beginning (14)

Id 02-07-002

Recorded Area= 288.0

Maximum Area= 309.1

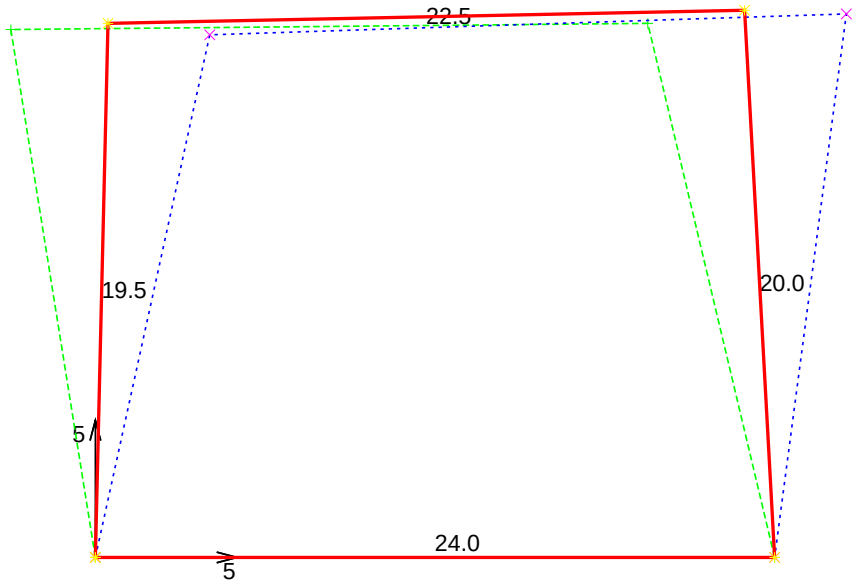


Return to beginning (14)

Id 02-08-001

Recorded Area= 451.0

Maximum Area= 458.8

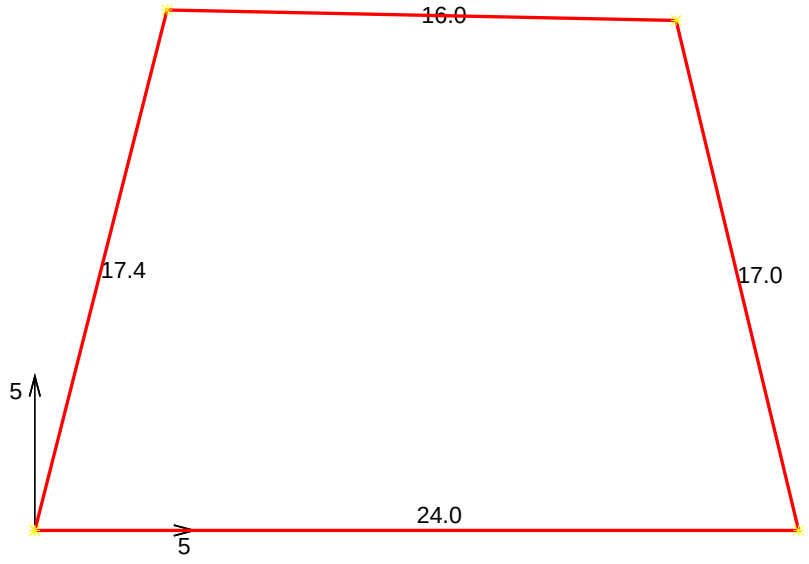


Return to beginning (14)

Id 02-09-002

Recorded Area= 340.0

Maximum Area= 334.6

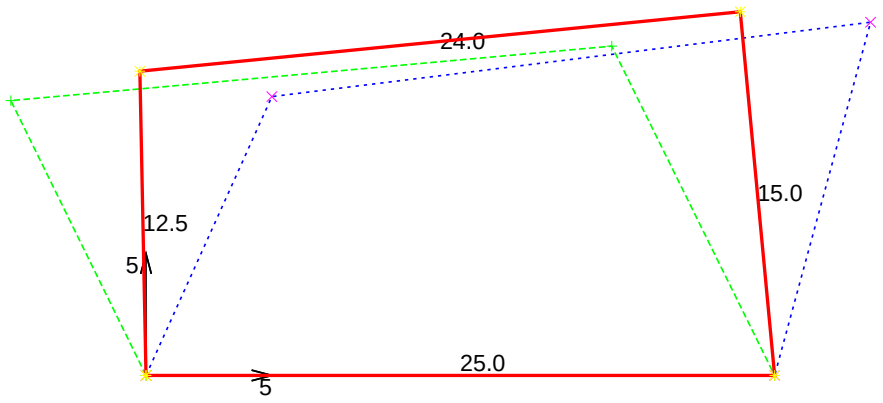


Return to beginning (4)

Id 02-09-003

Recorded Area= 310.0

Maximum Area= 336.2

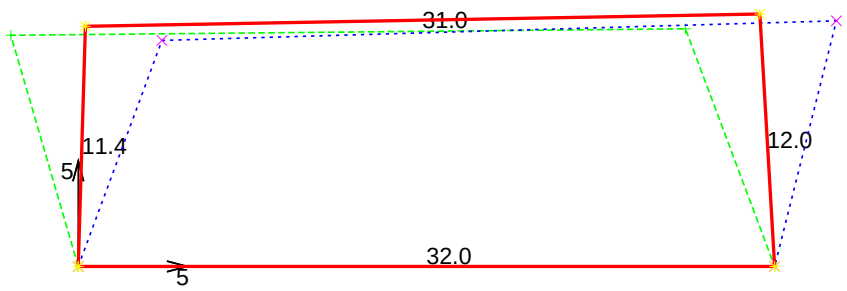


Return to beginning (15)

Id 02-10-002

Recorded Area= 351.0

Maximum Area= 368.2

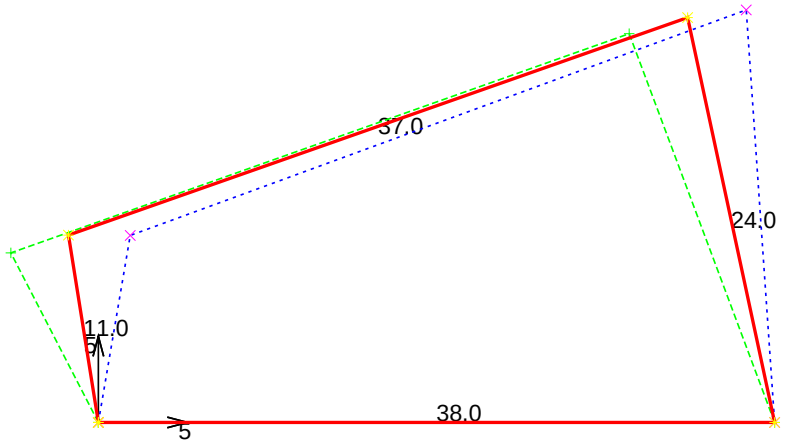


Return to beginning (15)

Id 03-01-002

Recorded Area= 631.0

Maximum Area= 646.1

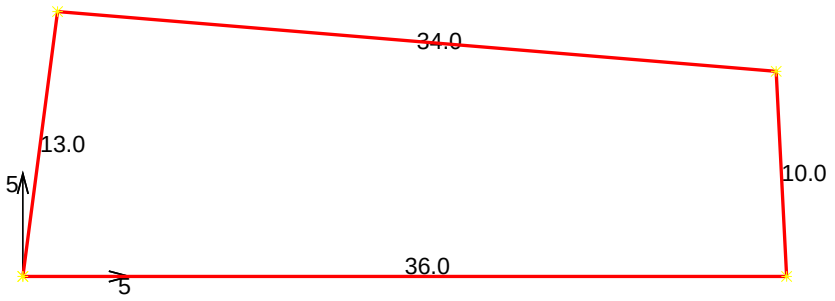


Return to beginning (15)

Id 03-01-003

Recorded Area= 402.0

Maximum Area= 400.6

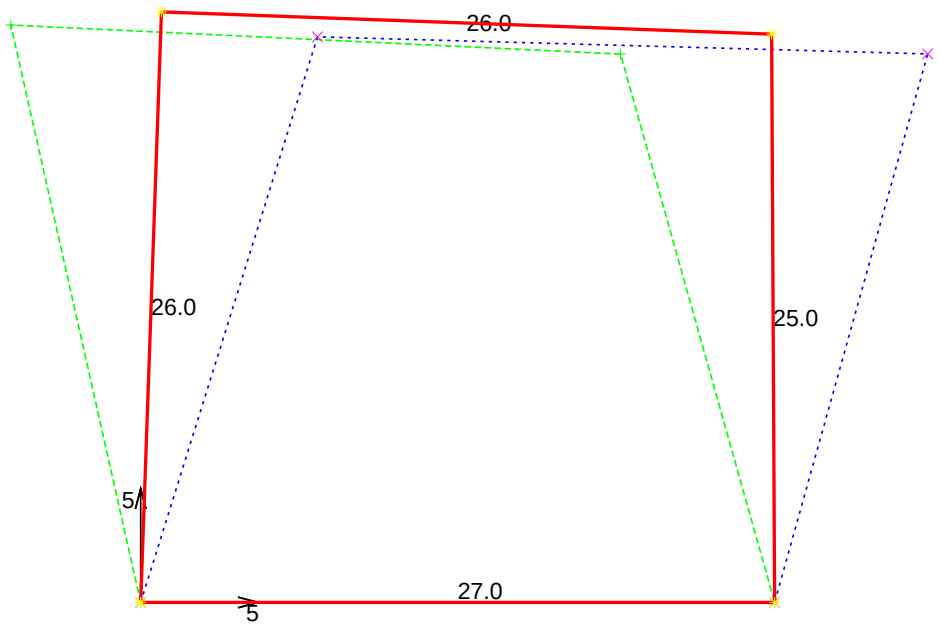


Return to beginning (15)

Id 03-01-004

Recorded Area= 652.0

Maximum Area= 675.5

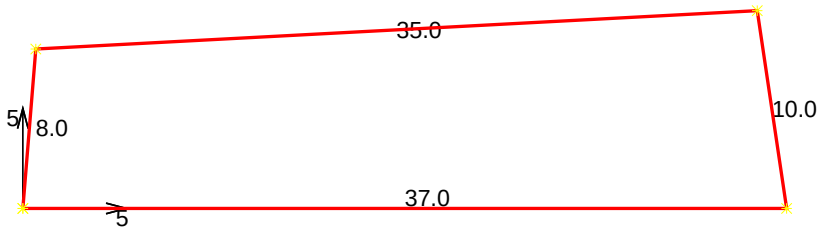


Return to beginning (15)

Id 03-01-005

Recorded Area= 333.0

Maximum Area= 321.9

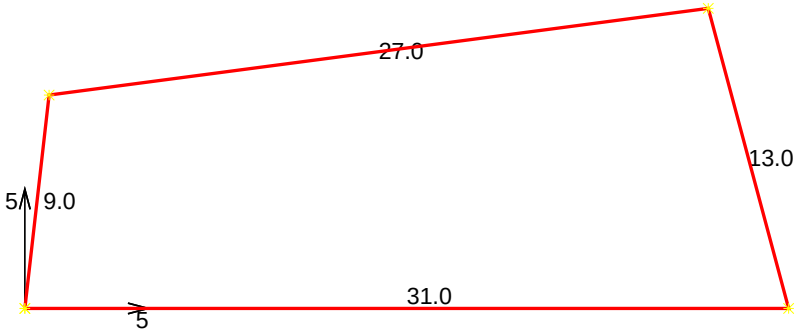


Return to beginning (15)

Id 03-01-006

Recorded Area= 320.0

Maximum Area= 312.9

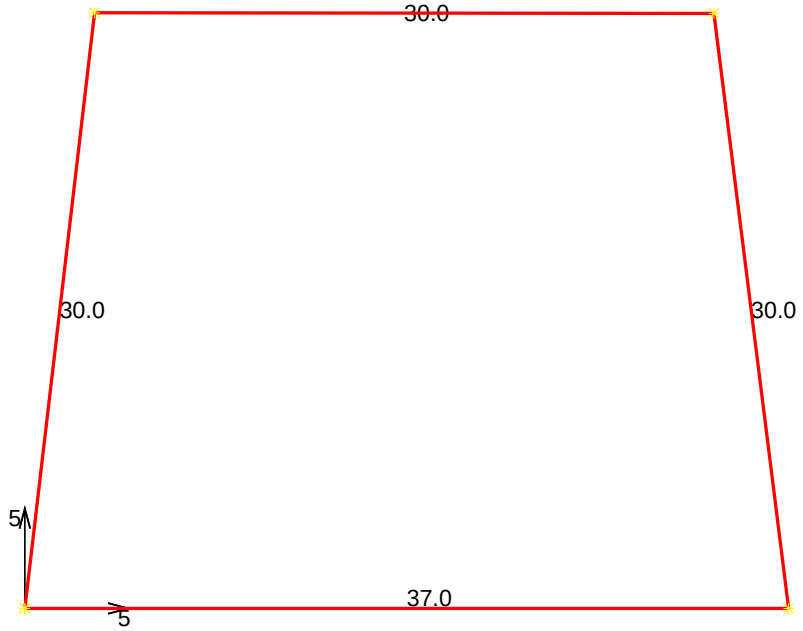


Return to beginning (15)

Id 03-01-010

Recorded Area=1005.0

Maximum Area= 998.1

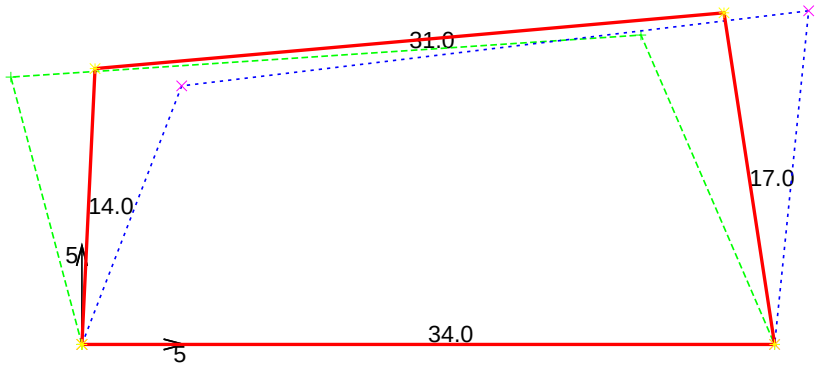


Return to beginning (15)

Id 03-01-011

Recorded Area= 480.0

Maximum Area= 500.9

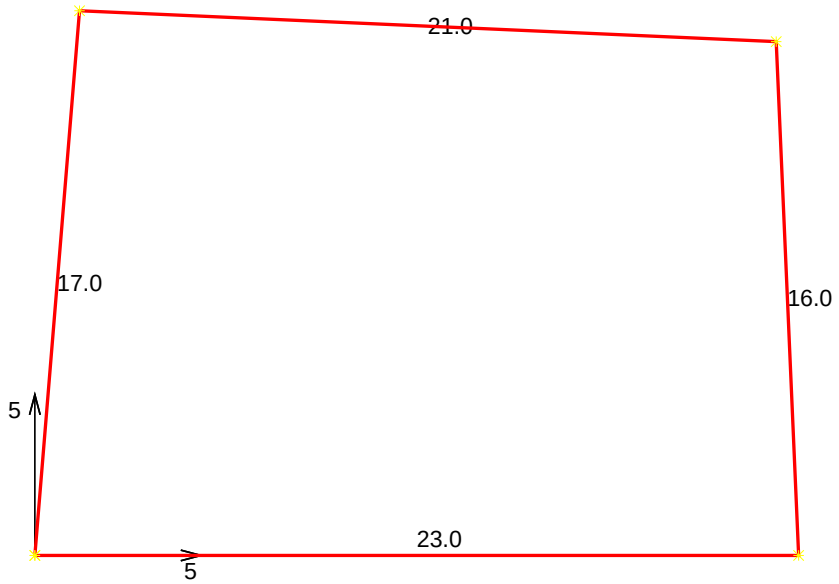


Return to beginning (15)

Id 03-01-012

Recorded Area= 370.0

Maximum Area= 362.2

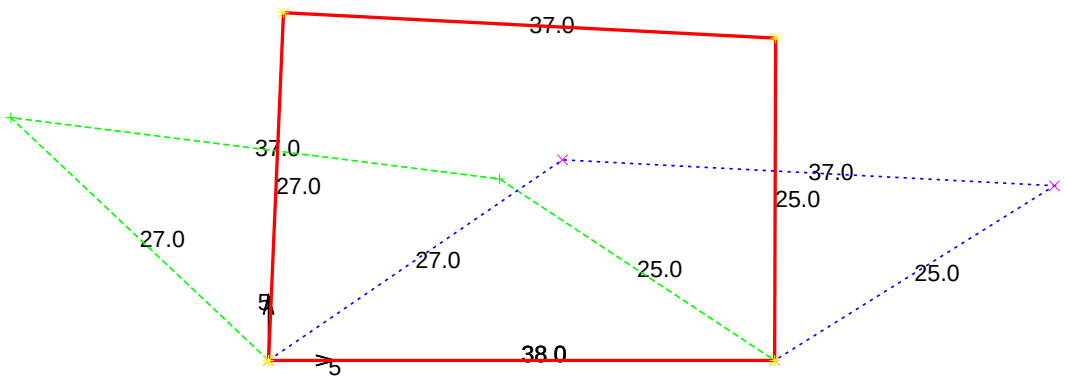


Return to beginning (15)

Id 03-02-001

Recorded Area= 567.0

Maximum Area= 974.5

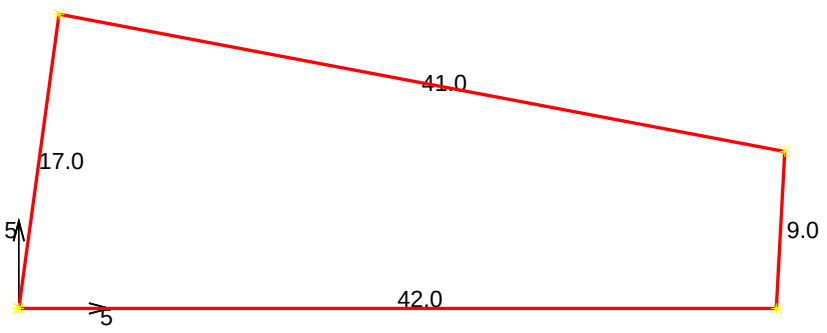


Return to beginning (15)

Id 03-02-002

Recorded Area= 538.0

Maximum Area= 536.6

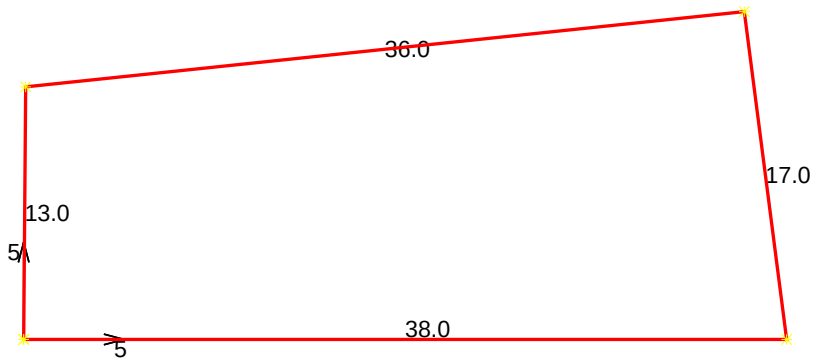


Return to beginning (15)

Id 03-02-004

Recorded Area= 560.0

Maximum Area= 553.0

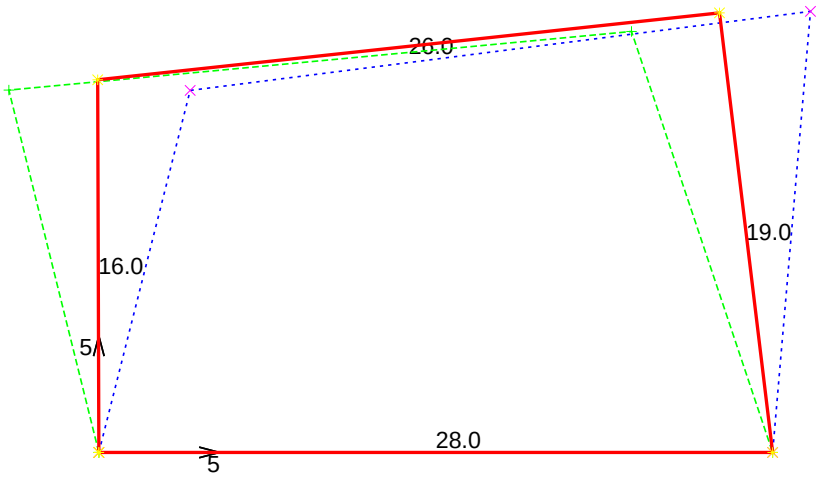


Return to beginning (15)

Id 03-02-006

Recorded Area= 459.0

Maximum Area= 471.0

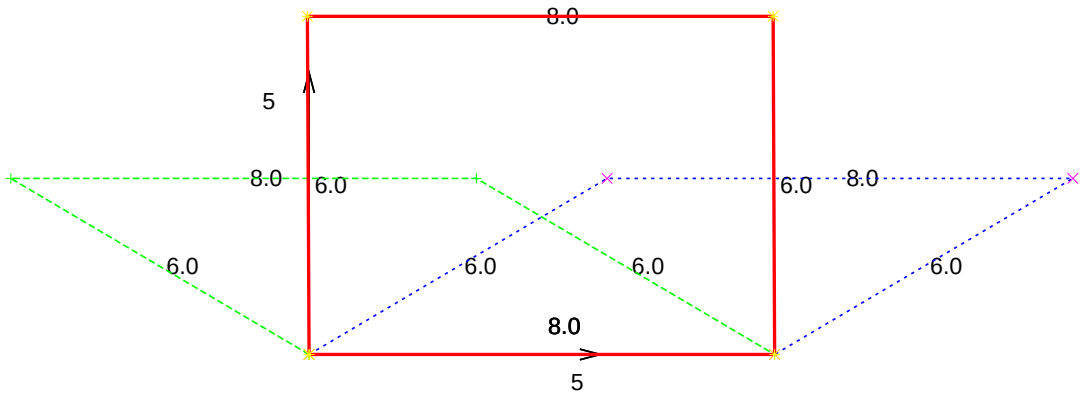


Return to beginning (15)

Id 03-02-007

Recorded Area= 25.0

Maximum Area= 48.0

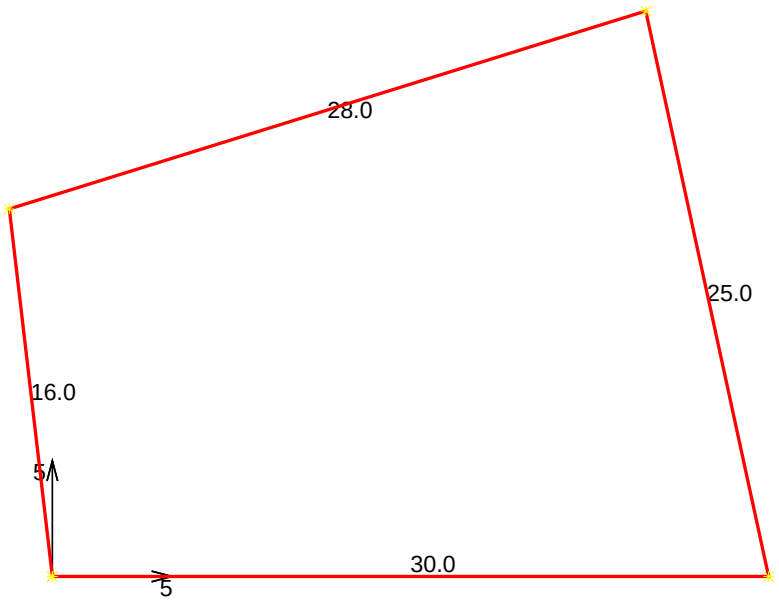


Return to beginning (15)

Id 03-02-008

Recorded Area= 610.0

Maximum Area= 586.6

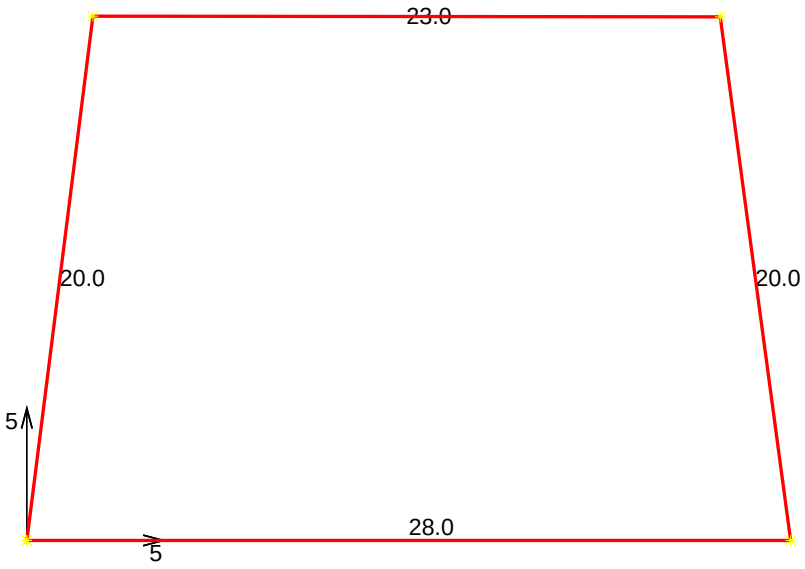


Return to beginning (16)

Id 03-02-009

Recorded Area= 510.0

Maximum Area= 506.0

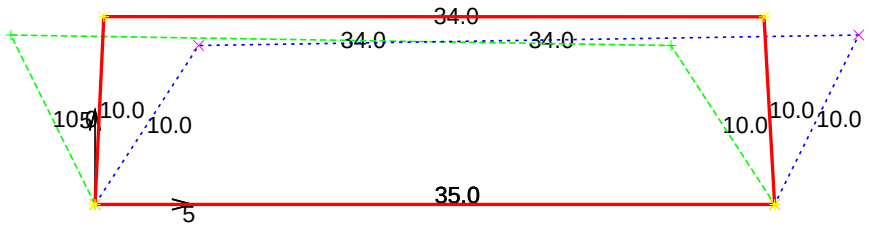


Return to beginning (16)

Id 03-02-012

Recorded Area= 300.0

Maximum Area= 344.6

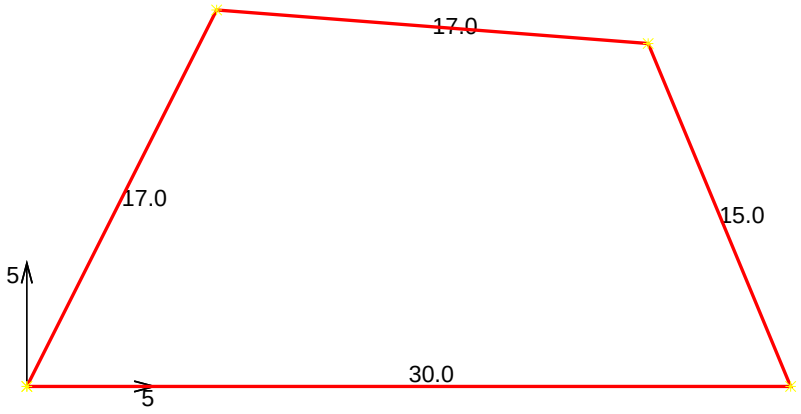


Return to beginning (16)

Id 03-02-013

Recorded Area= 408.0

Maximum Area= 343.3

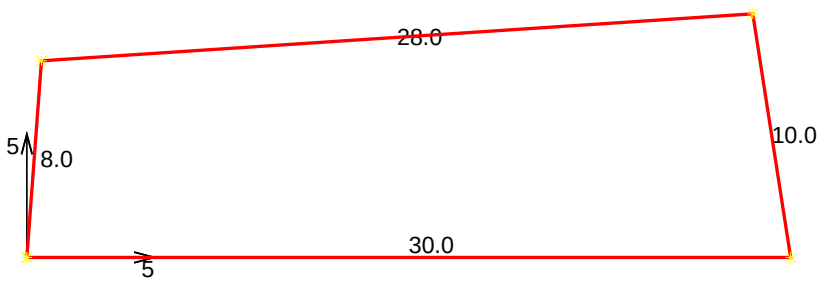


Return to beginning (16)

Id 03-02-014

Recorded Area= 264.0

Maximum Area= 259.2

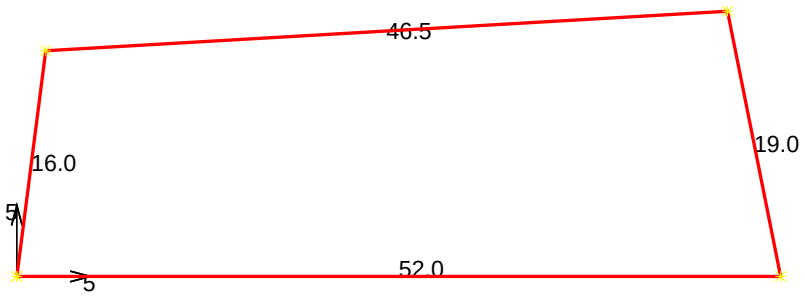


Return to beginning (16)

Id 03-02-015

Recorded Area= 920.0

Maximum Area= 850.8

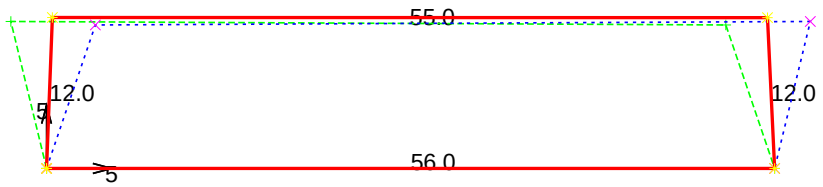


Return to beginning (16)

Id 03-03-001

Recorded Area= 640.0

Maximum Area= 665.4

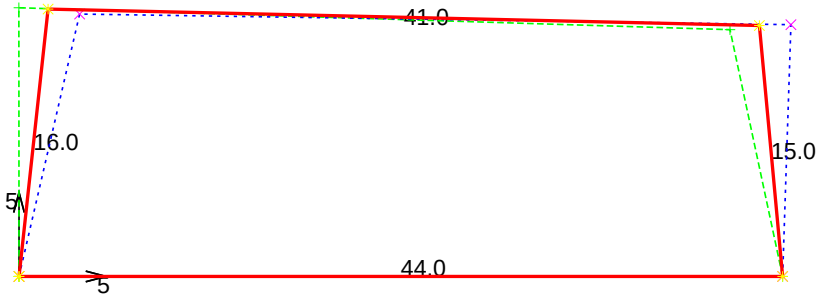


Return to beginning (16)

Id 03-03-002

Recorded Area= 651.0

Maximum Area= 655.6

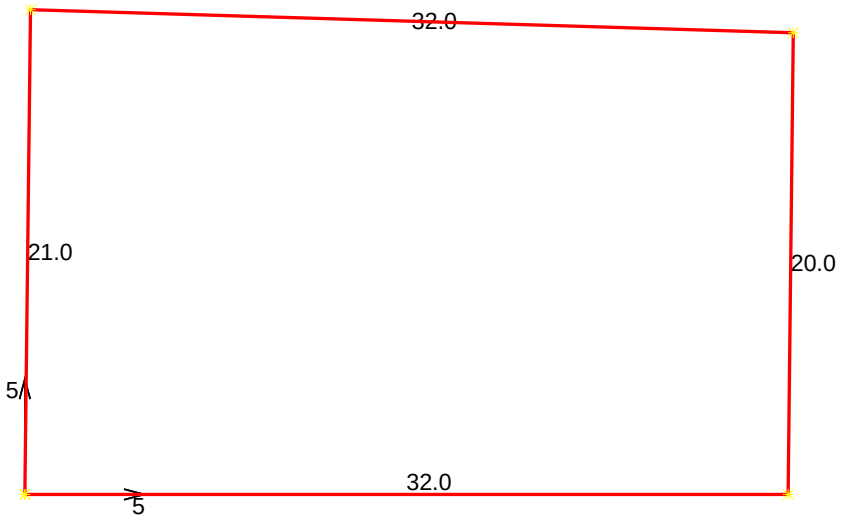


Return to beginning (16)

Id 03-03-003

Recorded Area= 656.0

Maximum Area= 655.9

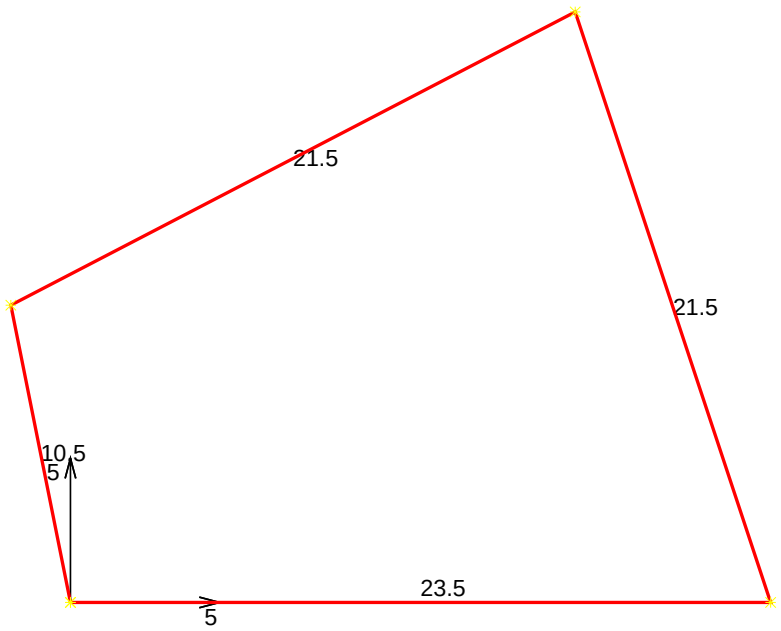


Return to beginning (16)

Id 03-03-005

Recorded Area= 582.0

Maximum Area= 348.4

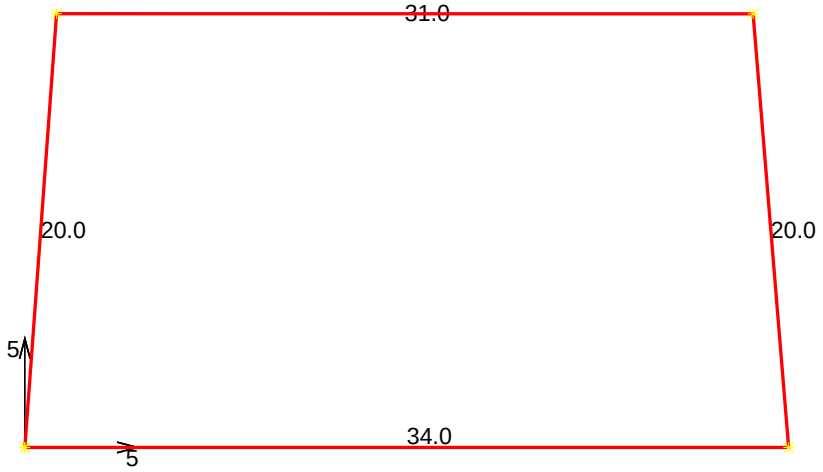


Return to beginning (16)

Id 03-03-006

Recorded Area= 650.0

Maximum Area= 648.2

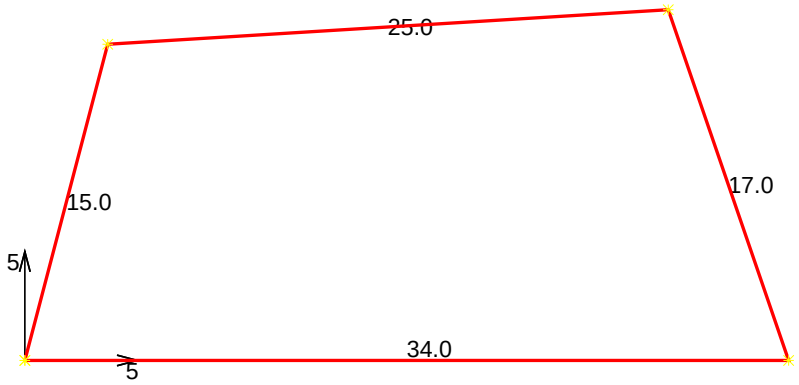


Return to beginning (16)

Id 03-03-007

Recorded Area= 470.0

Maximum Area= 452.7

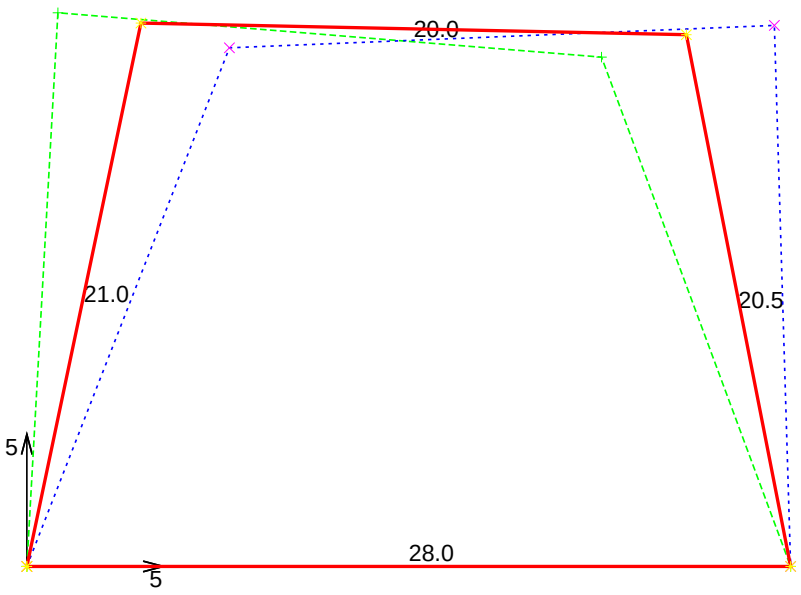


Return to beginning (16)

Id 03-04-003

Recorded Area= 480.0

Maximum Area= 488.6

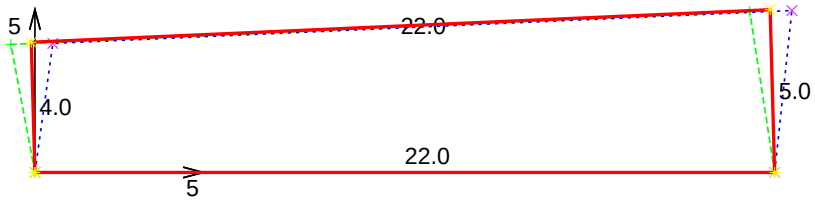


Return to beginning (16)

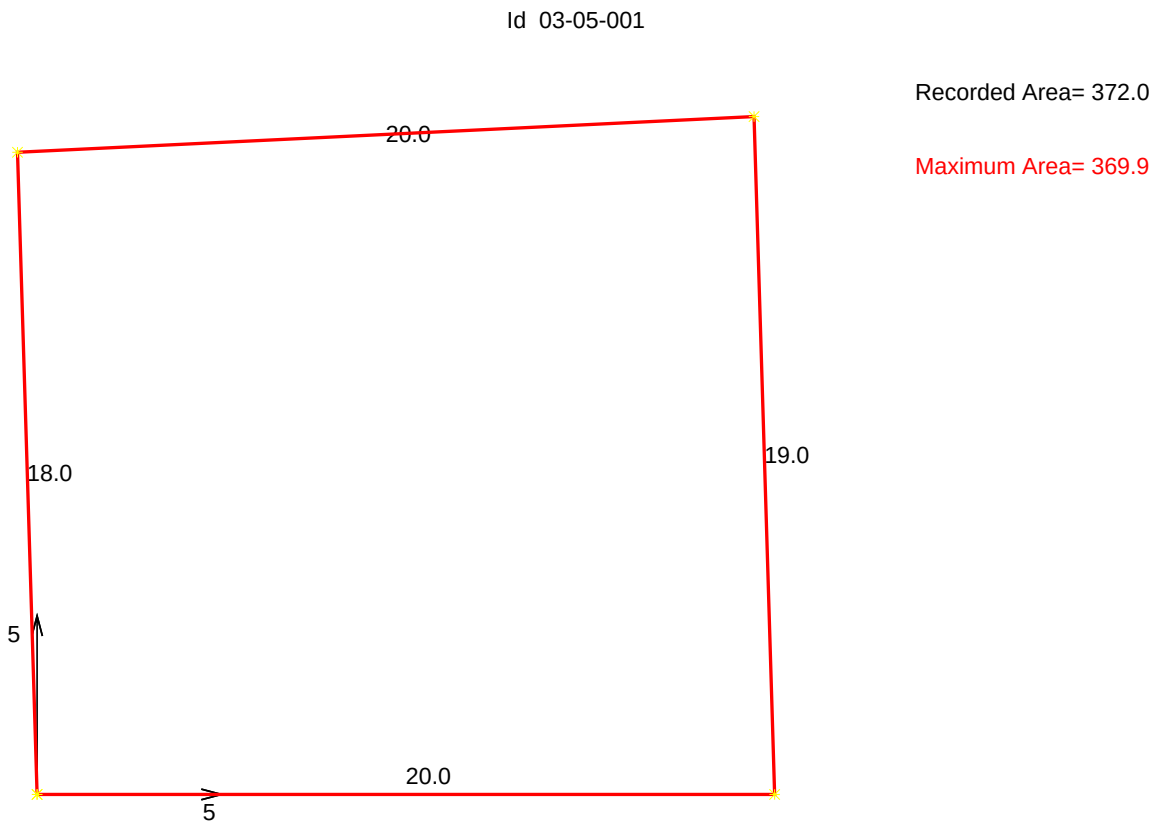
Id 03-04-006

Recorded Area= 98.0

Maximum Area= 99.0



Return to beginning (16)

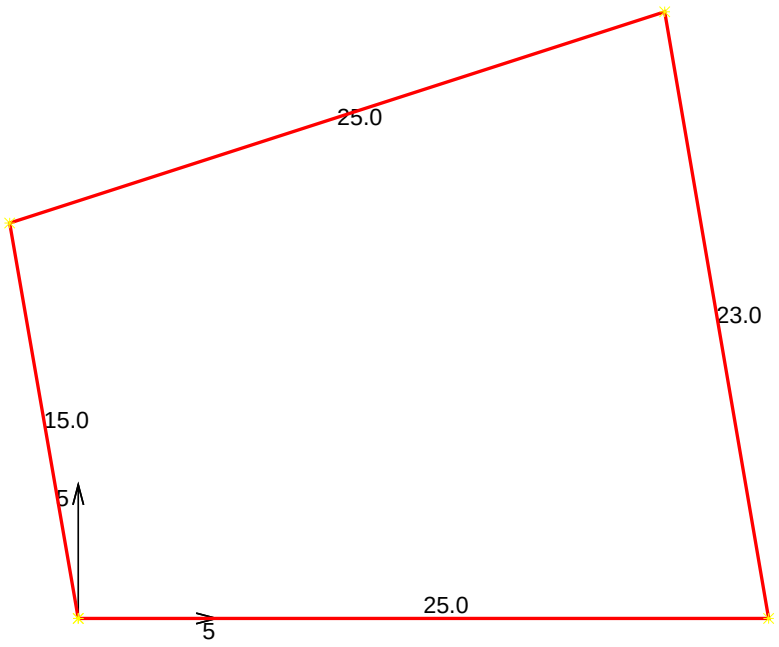


Return to beginning (16)

Id 03-05-003

Recorded Area= 474.0

Maximum Area= 468.9

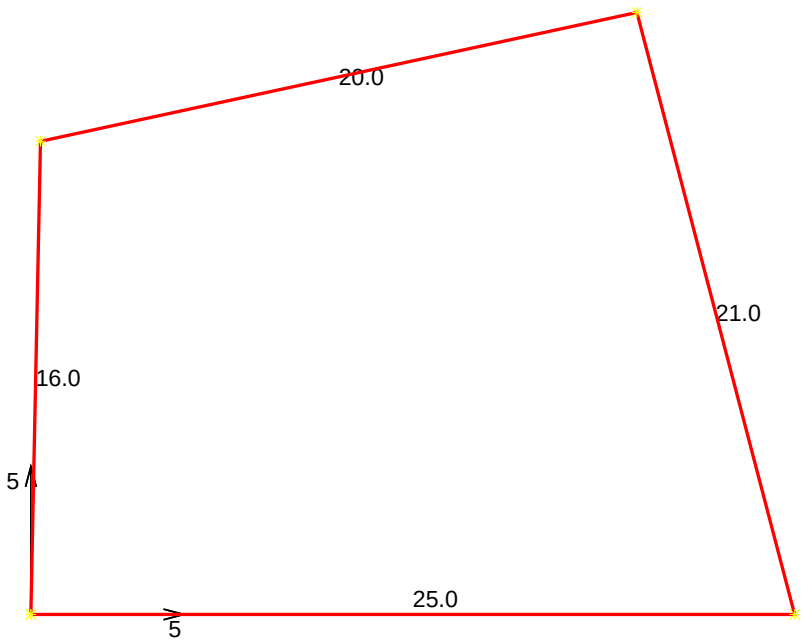


Return to beginning (16)

Id 03-05-005

Recorded Area= 460.0

Maximum Area= 409.9

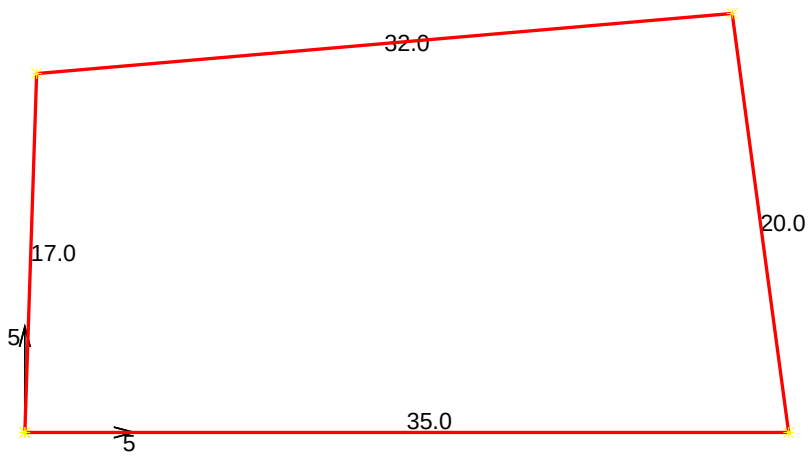


Return to beginning (17)

Id 03-05-006

Recorded Area= 650.0

Maximum Area= 617.1

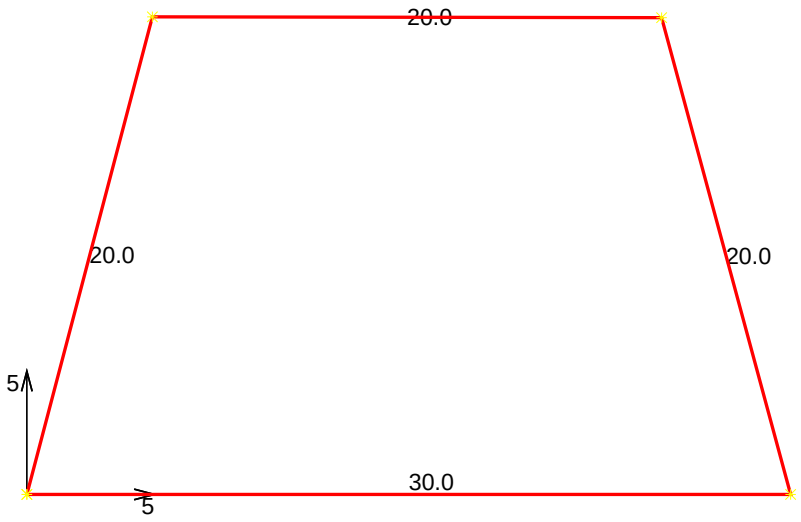


Return to beginning (17)

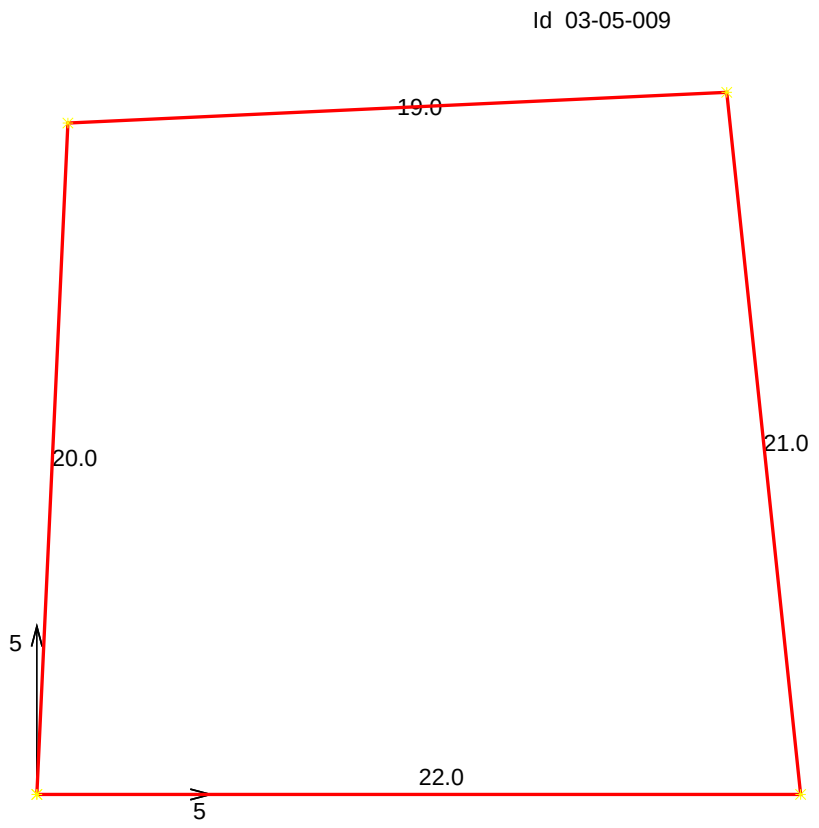
Id 03-05-007

Recorded Area= 500.0

Maximum Area= 484.1



Return to beginning (17)



Recorded Area= 866.0

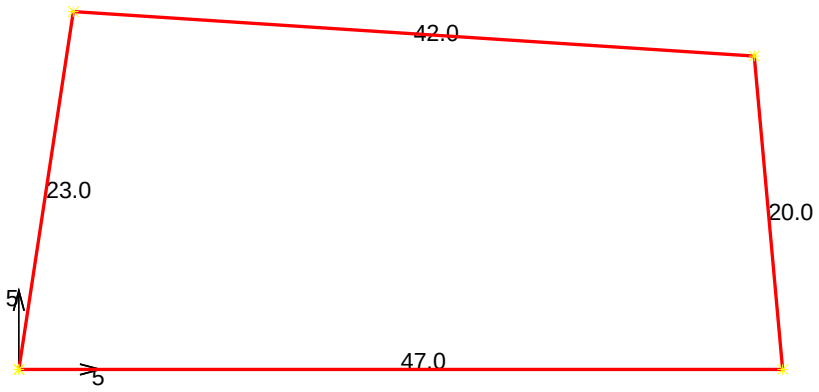
Maximum Area= 419.0

Return to beginning (17)

Id 03-06-001

Recorded Area=1005.0

Maximum Area= 949.7

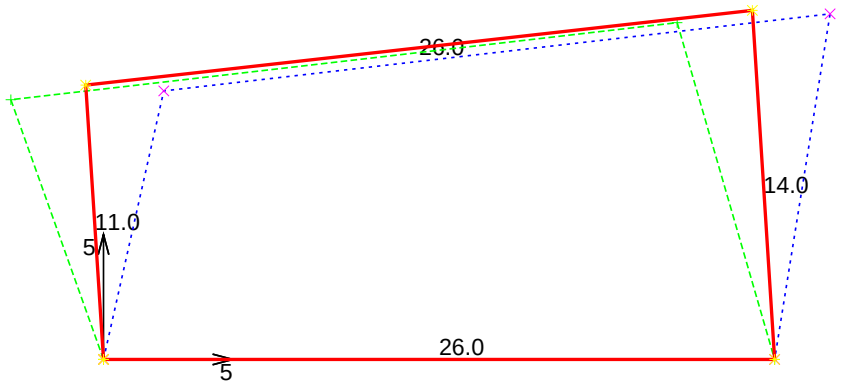


Return to beginning (17)

Id 03-06-002

Recorded Area= 315.0

Maximum Area= 324.5

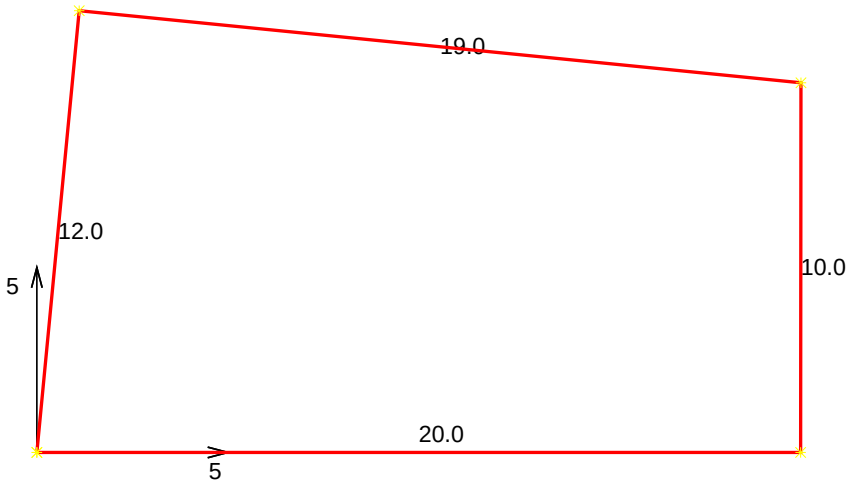


Return to beginning (17)

Id 03-06-005

Recorded Area= 232.0

Maximum Area= 214.0

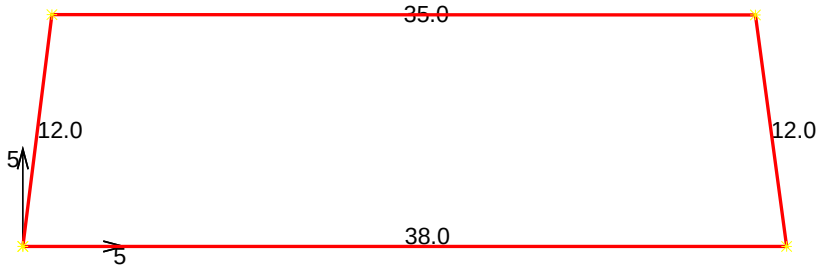


Return to beginning (17)

Id 03-06-007

Recorded Area= 500.0

Maximum Area= 434.6

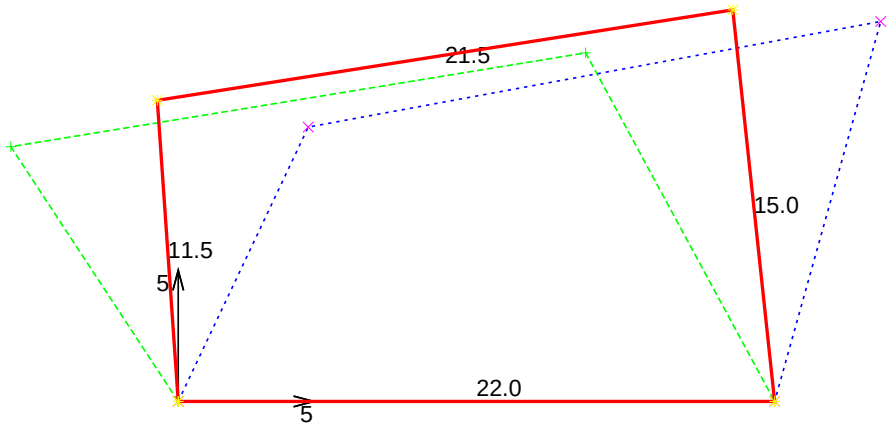


Return to beginning (17)

Id 03-06-008

Recorded Area= 260.0

Maximum Area= 287.2

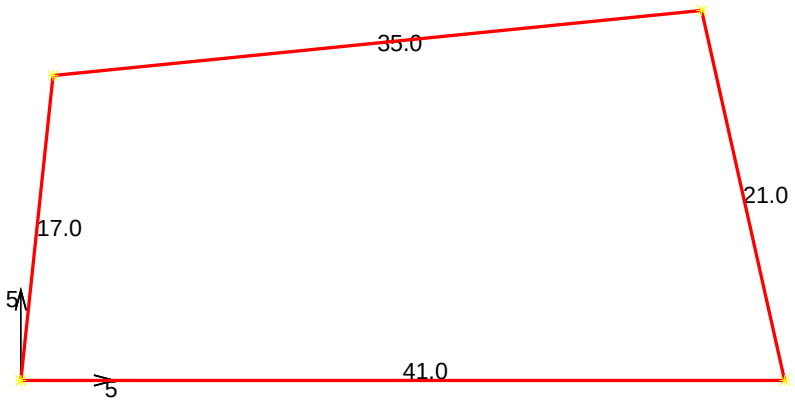


Return to beginning (17)

Id 03-06-009

Recorded Area= 830.0

Maximum Area= 712.0

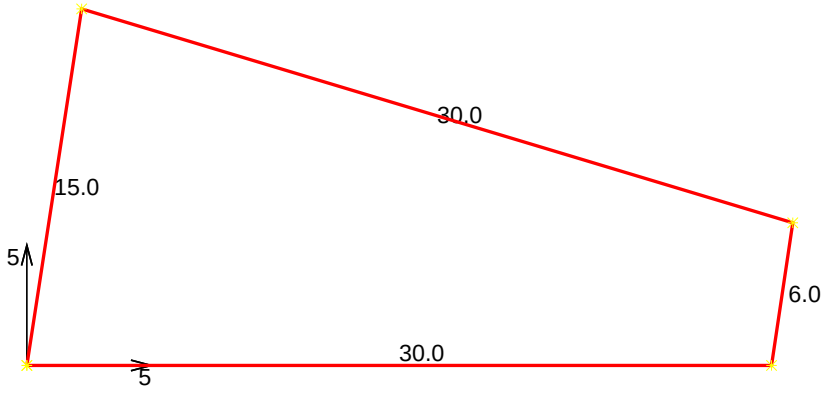


Return to beginning (17)

Id 03-07-002

Recorded Area= 339.0

Maximum Area= 311.4

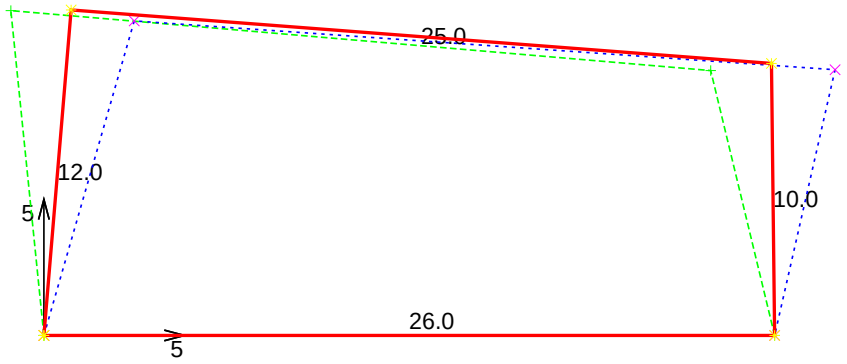


Return to beginning (17)

Id 03-07-005

Recorded Area= 274.0

Maximum Area= 280.0

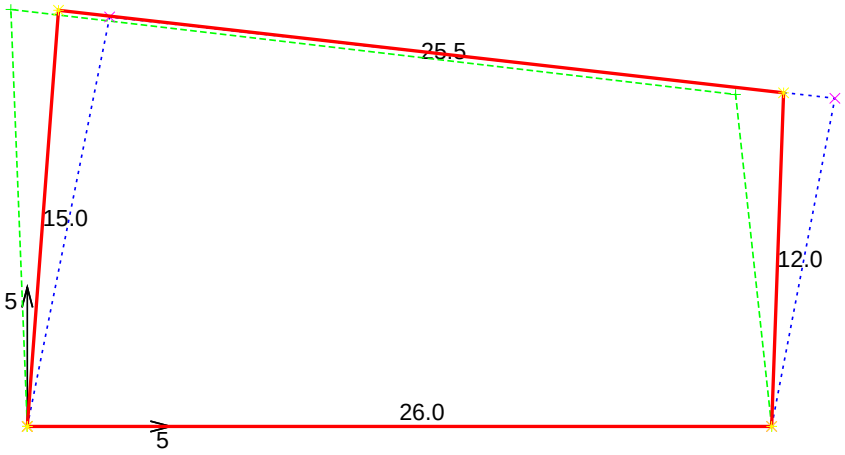


Return to beginning (17)

Id 03-07-006

Recorded Area= 344.0

Maximum Area= 347.0

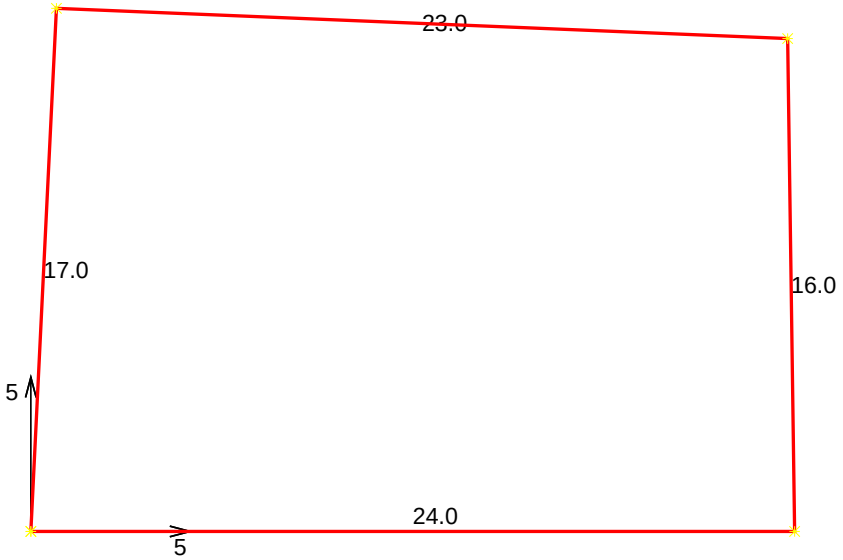


Return to beginning (17)

Id 03-07-007

Recorded Area= 391.0

Maximum Area= 387.5

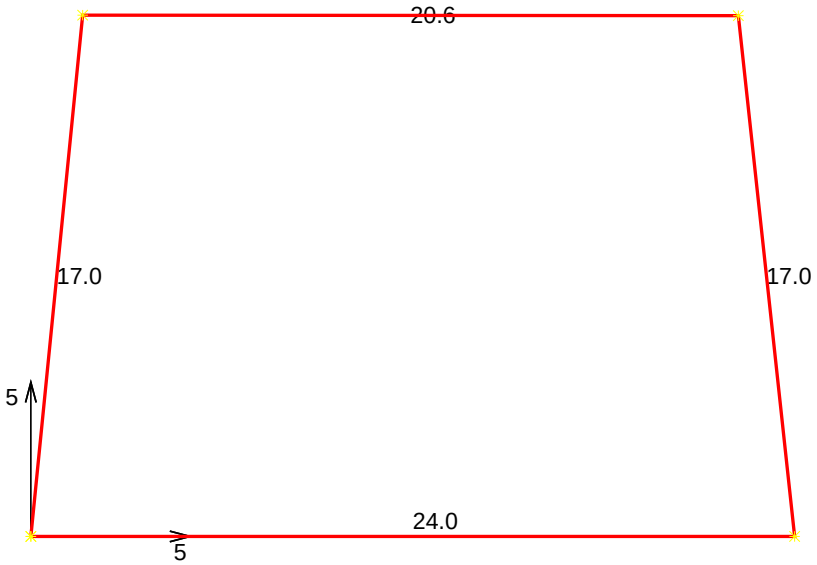


Return to beginning (17)

Id 03-07-008

Recorded Area= 491.0

Maximum Area= 377.2

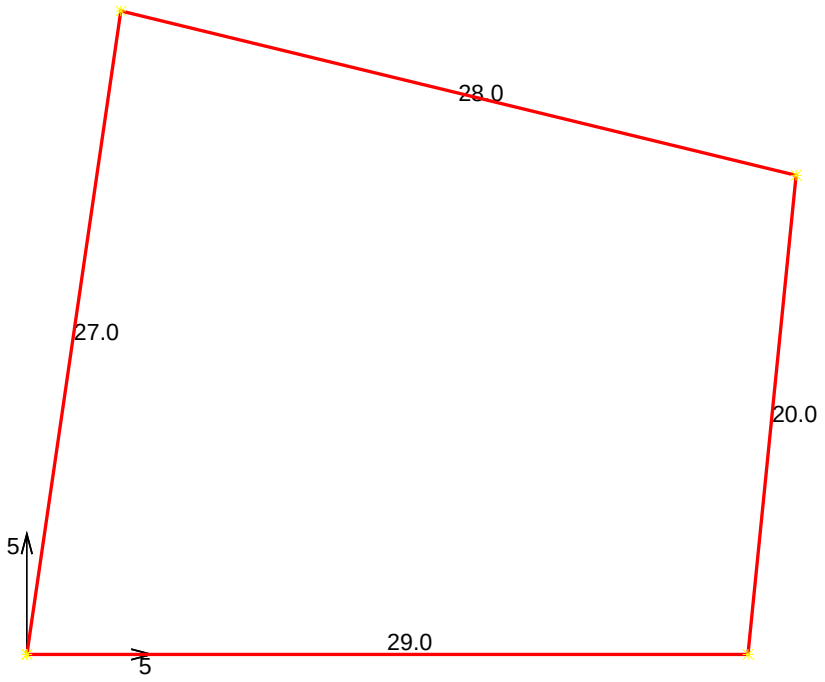


Return to beginning (17)

Id 03-07-011

Recorded Area= 667.0

Maximum Area= 664.5

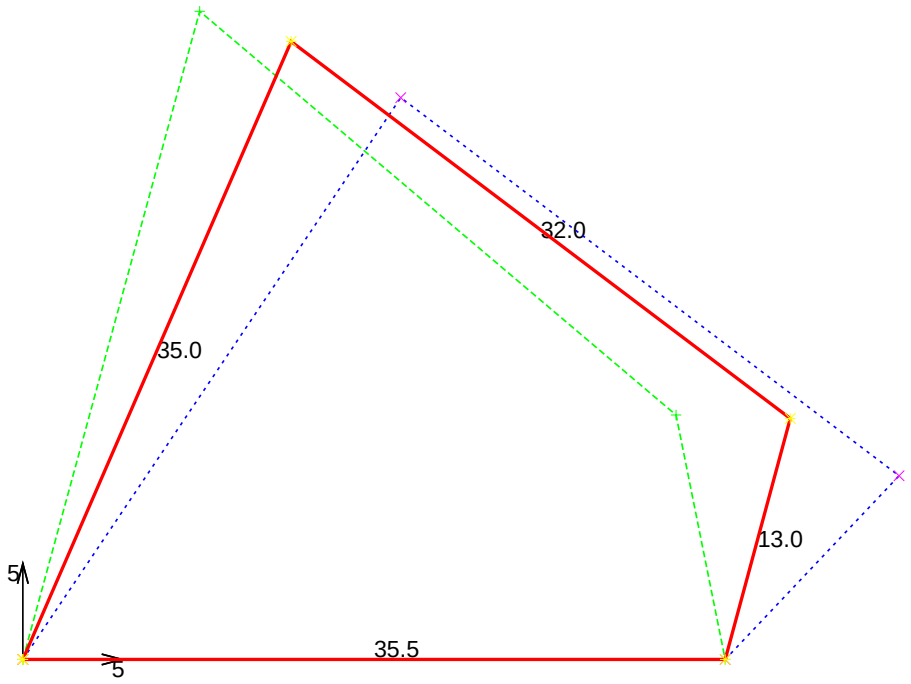


Return to beginning (17)

Id 03-08-001

Recorded Area= 728.0

Maximum Area= 763.7

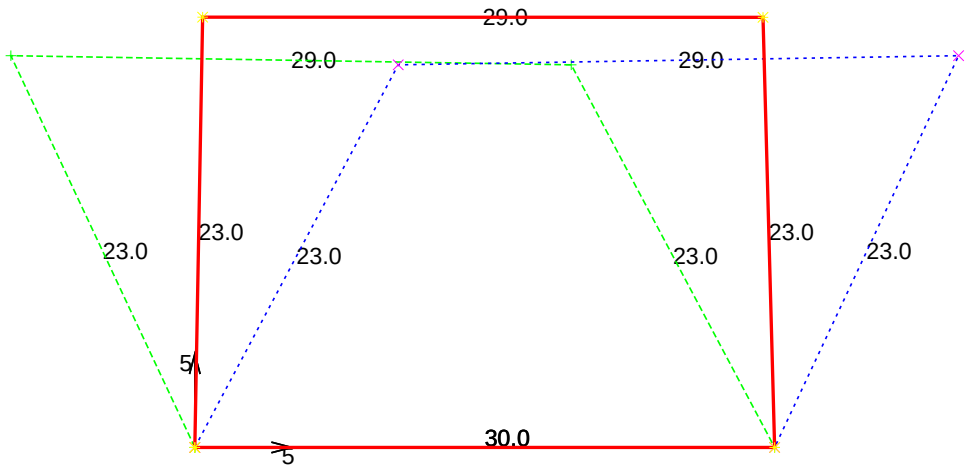


Return to beginning (18)

Id 03-08-002

Recorded Area= 608.0

Maximum Area= 678.3

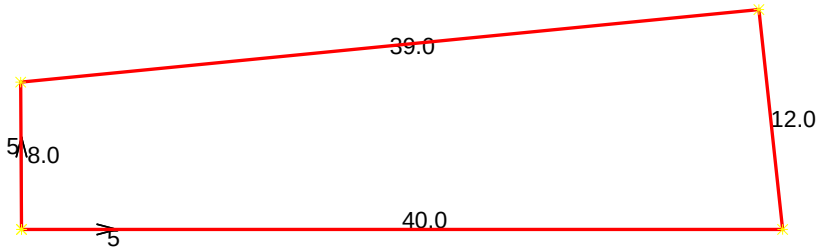


Return to beginning (18)

Id 03-08-003

Recorded Area= 436.0

Maximum Area= 394.0

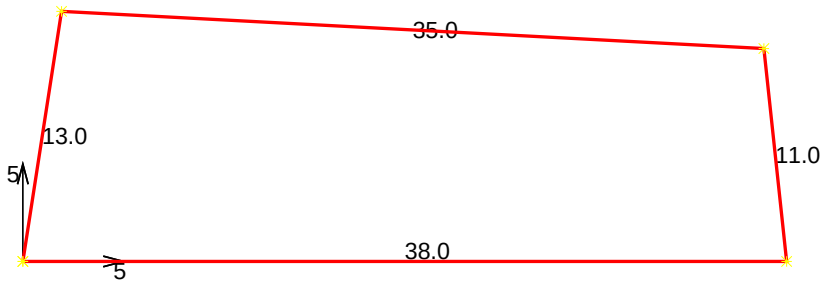


Return to beginning (18)

Id 03-08-004

Recorded Area= 436.0

Maximum Area= 434.4

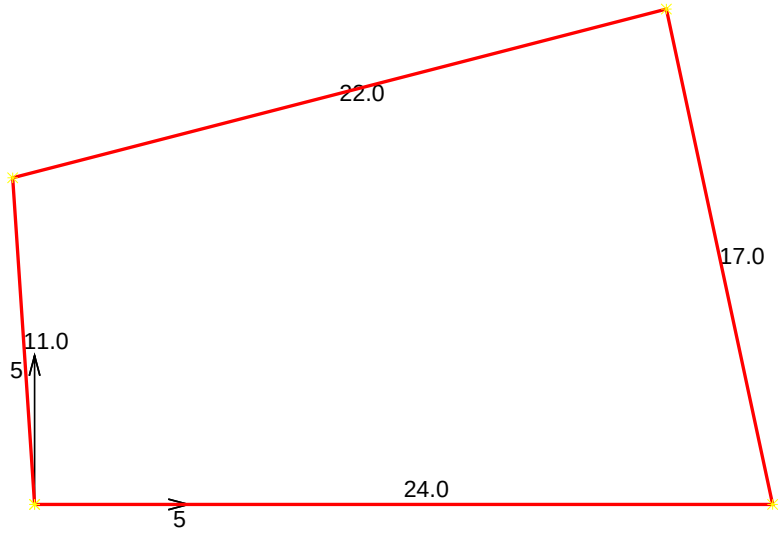


Return to beginning (18)

Id 03-08-006

Recorded Area= 350.0

Maximum Area= 318.4

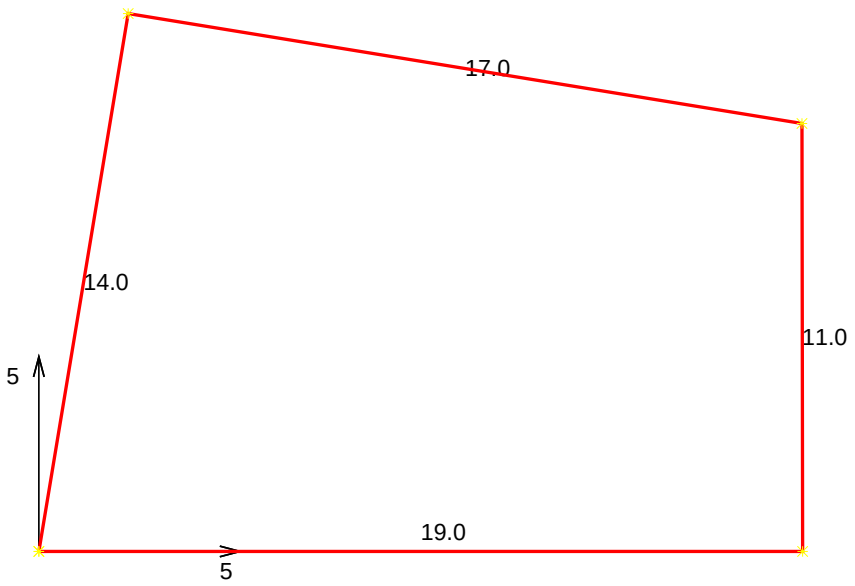


Return to beginning (18)

Id 03-08-007

Recorded Area= 227.0

Maximum Area= 223.5

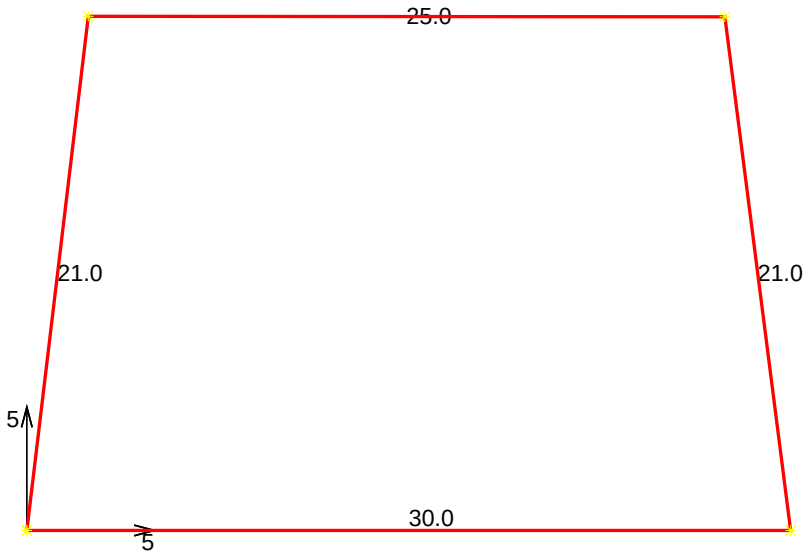


Return to beginning (18)

Id 03-09-001

Recorded Area= 630.0

Maximum Area= 573.4

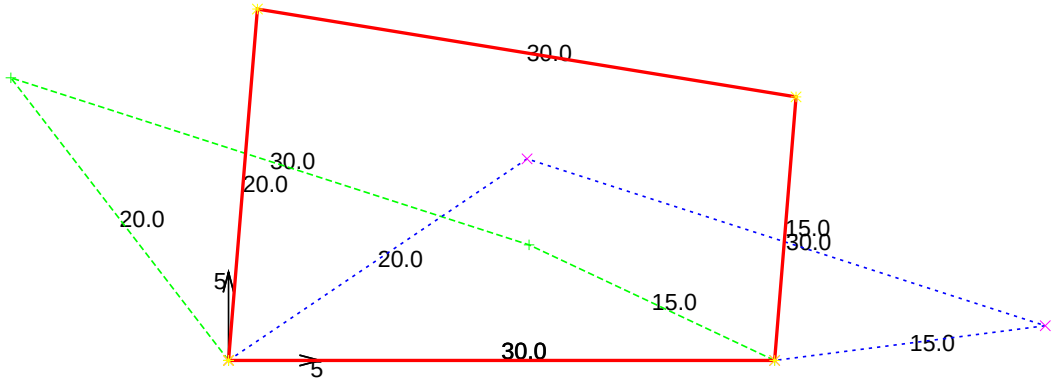


Return to beginning (18)

Id 03-09-003

Recorded Area= 270.0

Maximum Area= 523.2

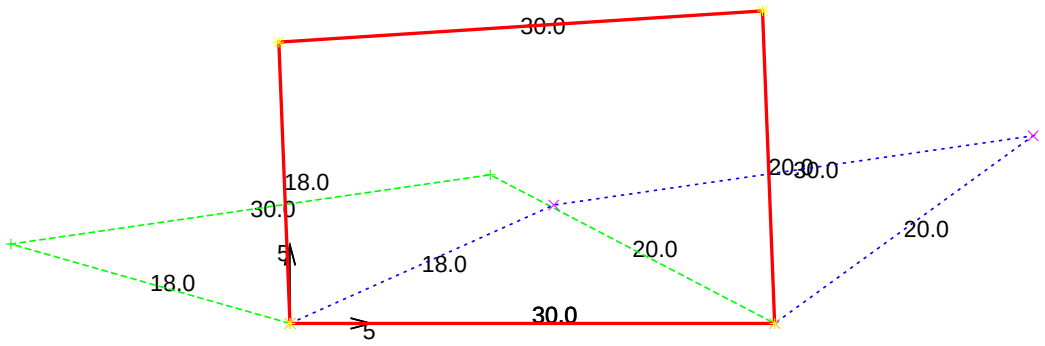


Return to beginning (18)

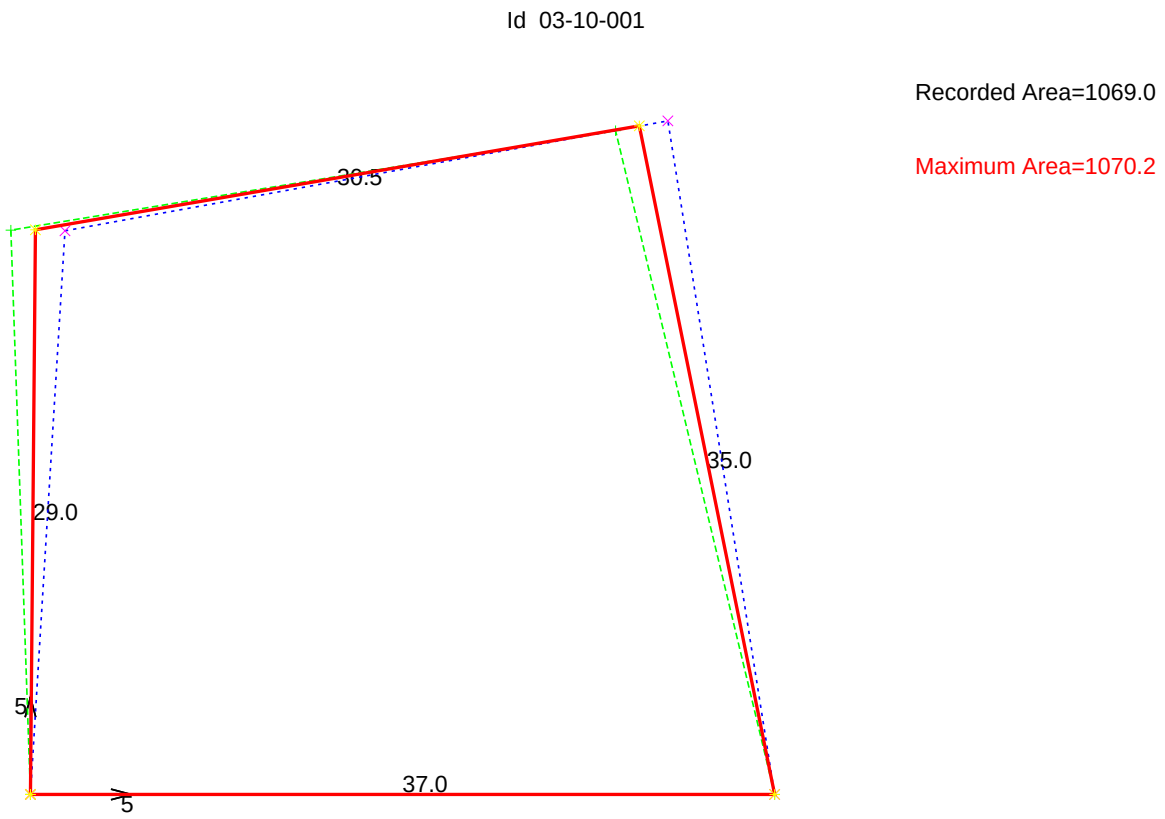
Id 03-09-006

Recorded Area= 256.0

Maximum Area= 569.7



Return to beginning (18)

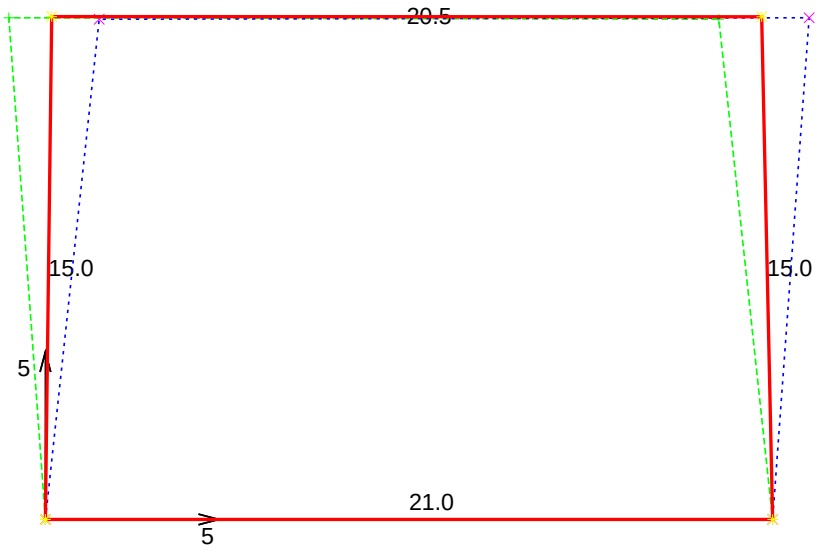


Return to beginning (18)

Id 03-10-002

Recorded Area= 310.0

Maximum Area= 311.2

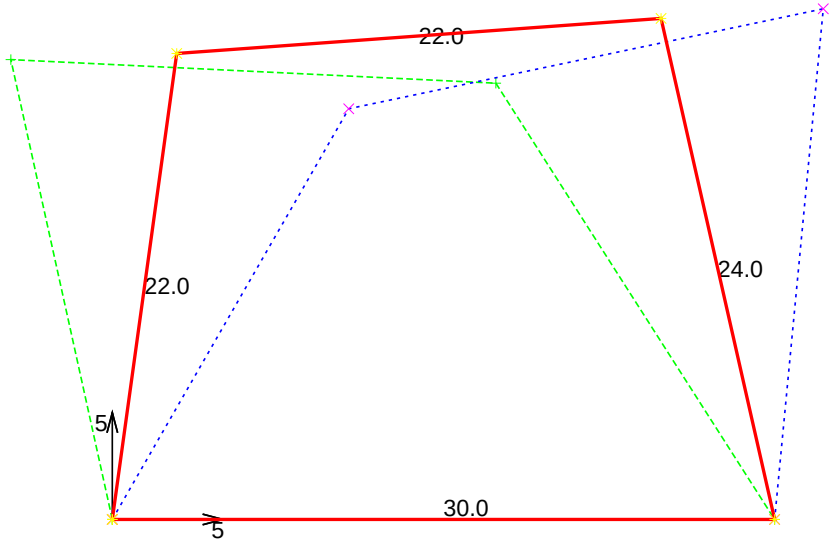


Return to beginning (18)

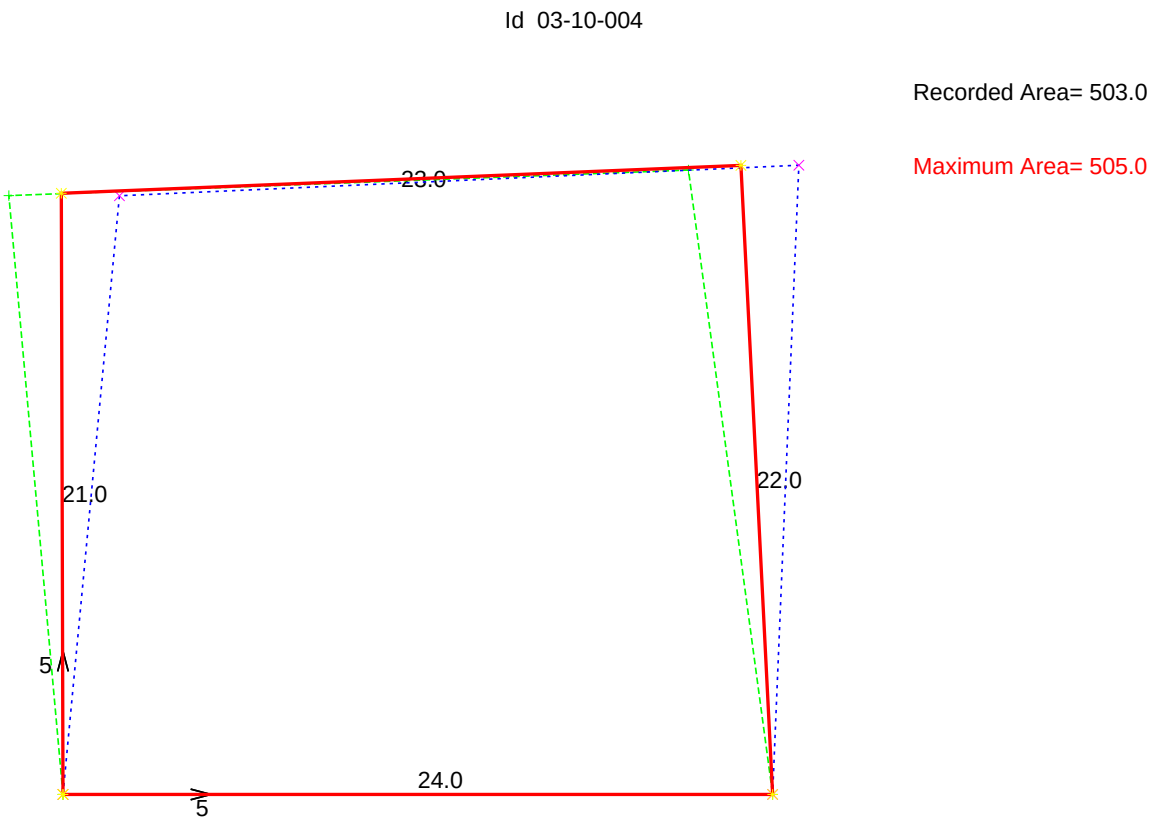
Id 03-10-003

Recorded Area= 540.0

Maximum Area= 588.5



Return to beginning (18)

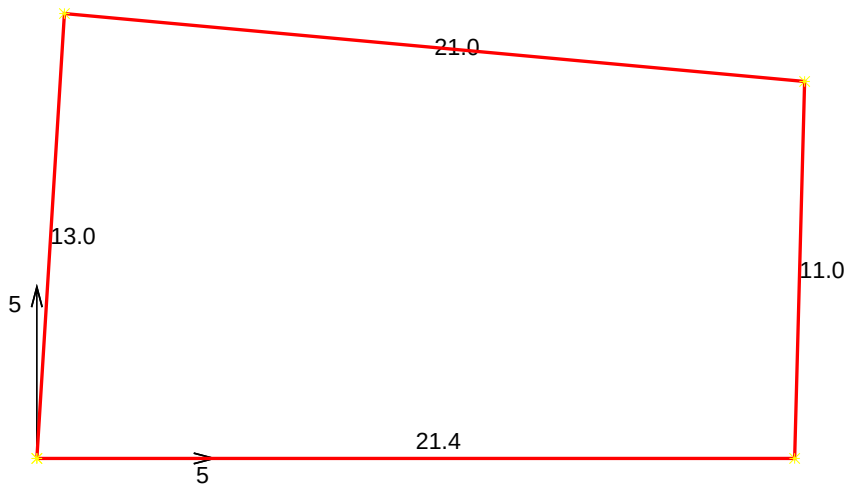


Return to beginning (18)

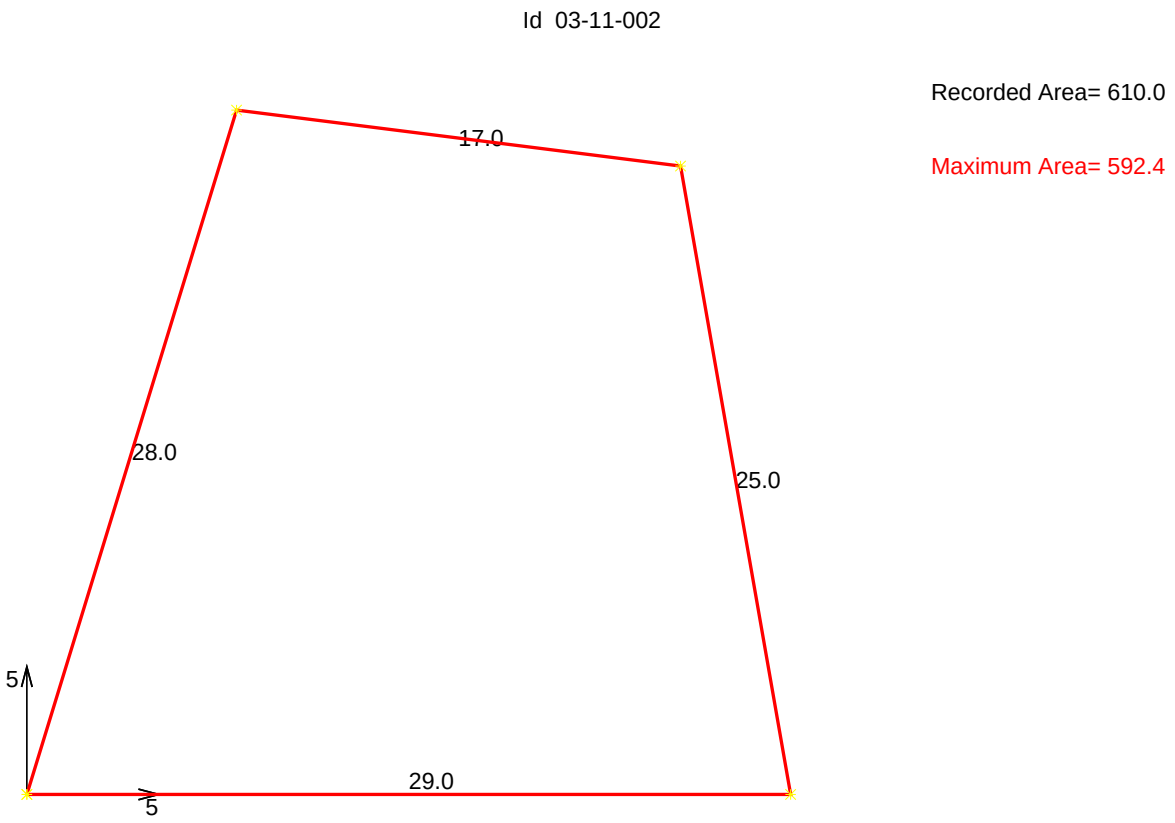
Id 03-10-007

Recorded Area= 400.0

Maximum Area= 254.1



Return to beginning (18)

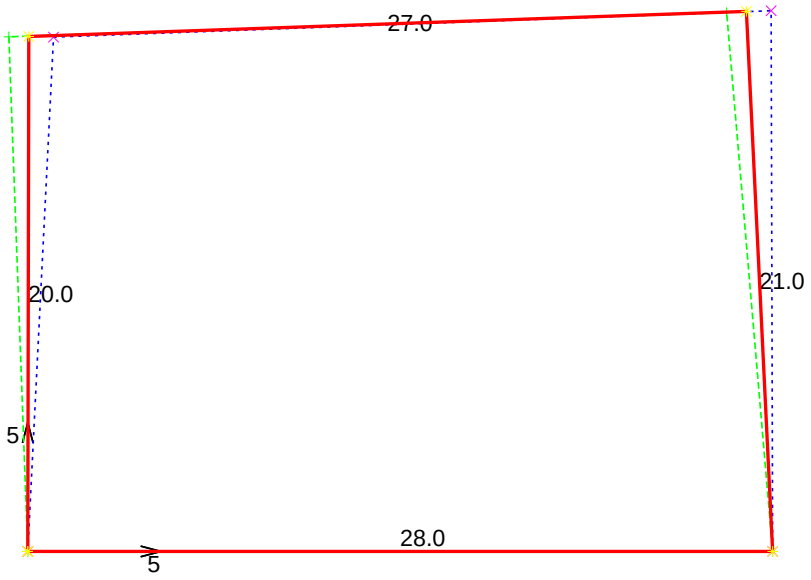


Return to beginning (18)

Id 03-11-003

Recorded Area= 563.0

Maximum Area= 563.5

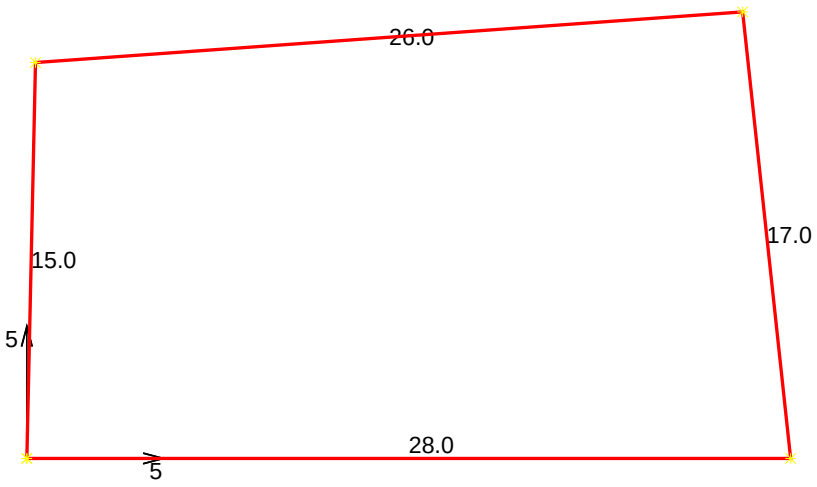


Return to beginning (18)

Id 03-11-004

Recorded Area= 440.0

Maximum Area= 430.9

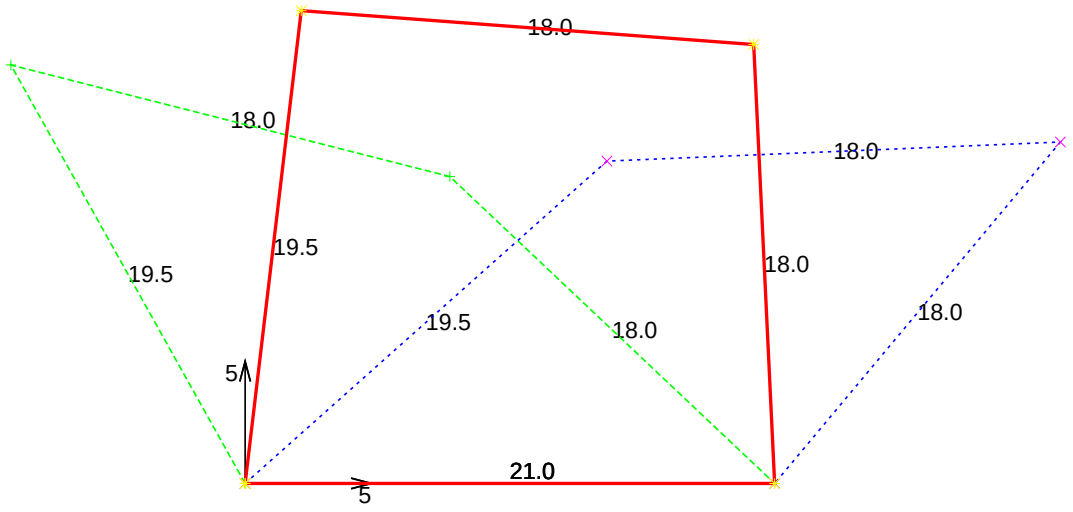


Return to beginning (19)

Id 03-11-005

Recorded Area= 260.0

Maximum Area= 364.2

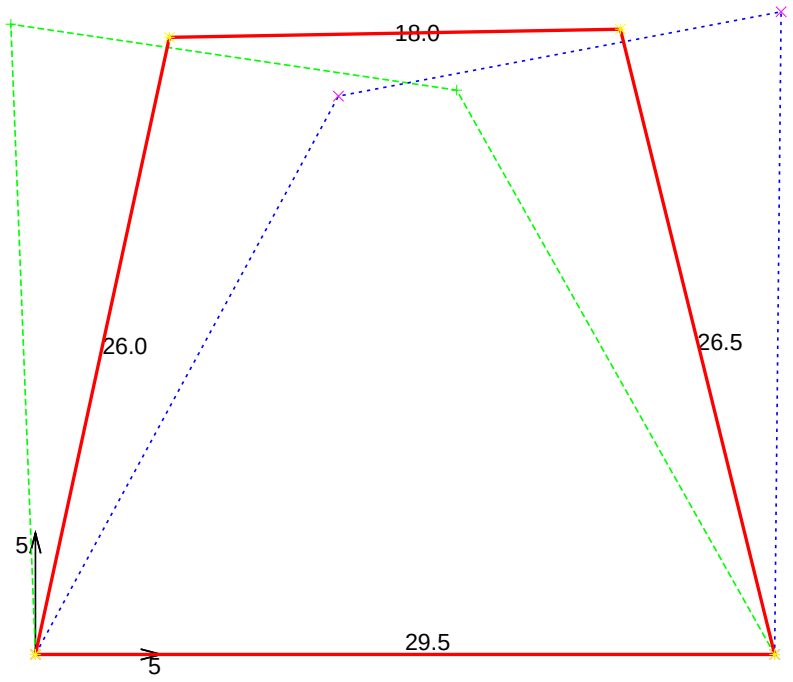


Return to beginning (19)

Id 03-11-007

Recorded Area= 573.0

Maximum Area= 608.3

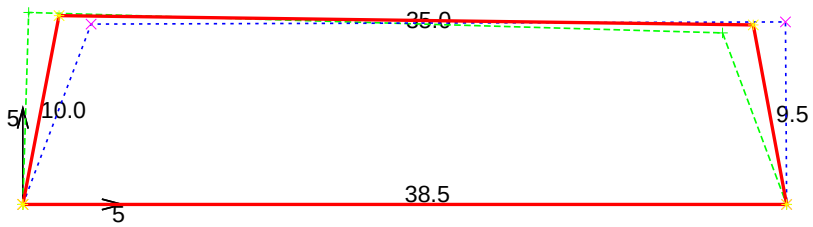


Return to beginning (19)

Id 03-11-008

Recorded Area= 347.0

Maximum Area= 352.5

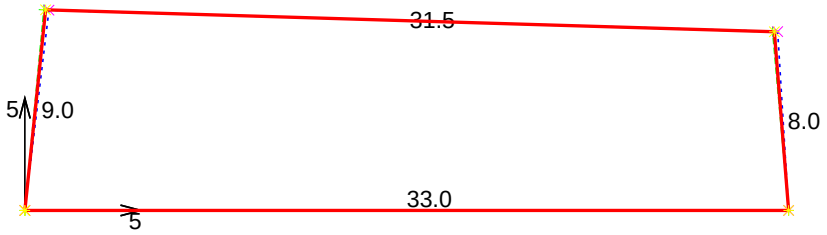


Return to beginning (19)

Id 03-11-009

Recorded Area= 273.0

Maximum Area= 273.0

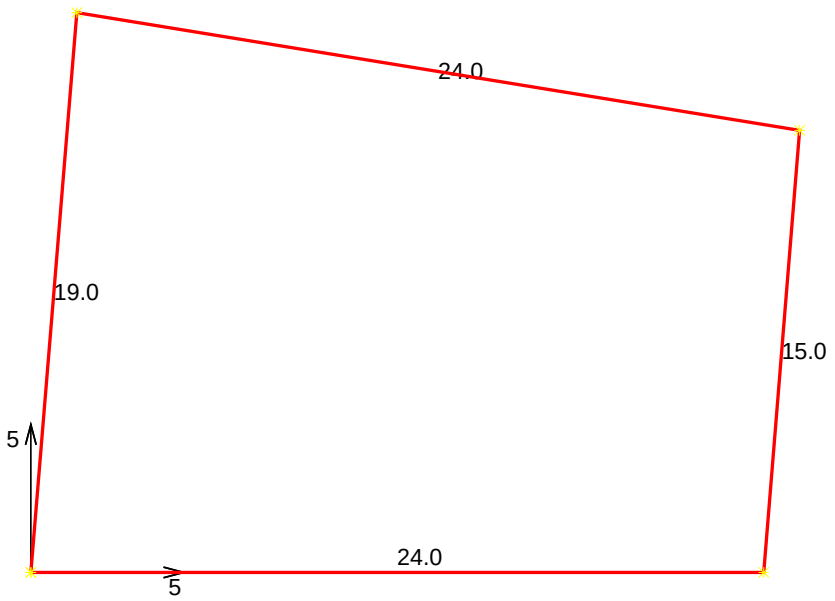


Return to beginning (19)

Id 03-11-011

Recorded Area= 655.0

Maximum Area= 406.6

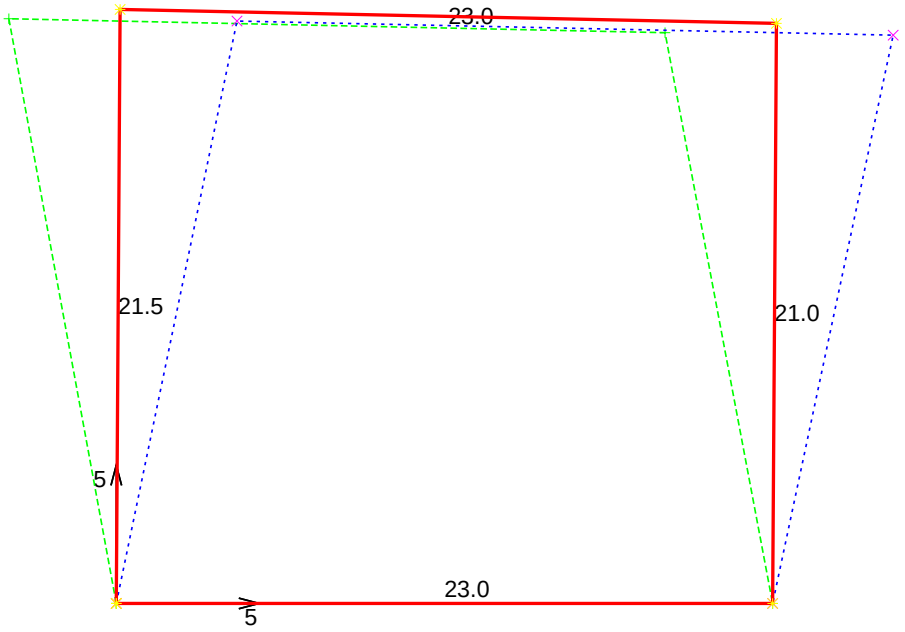


Return to beginning (19)

Id 03-12-001

Recorded Area= 480.0

Maximum Area= 488.7

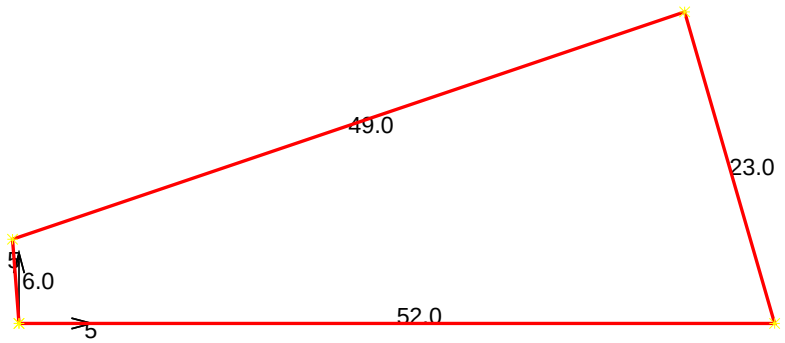


Return to beginning (19)

Id 03-12-002

Recorded Area= 727.0

Maximum Area= 717.9

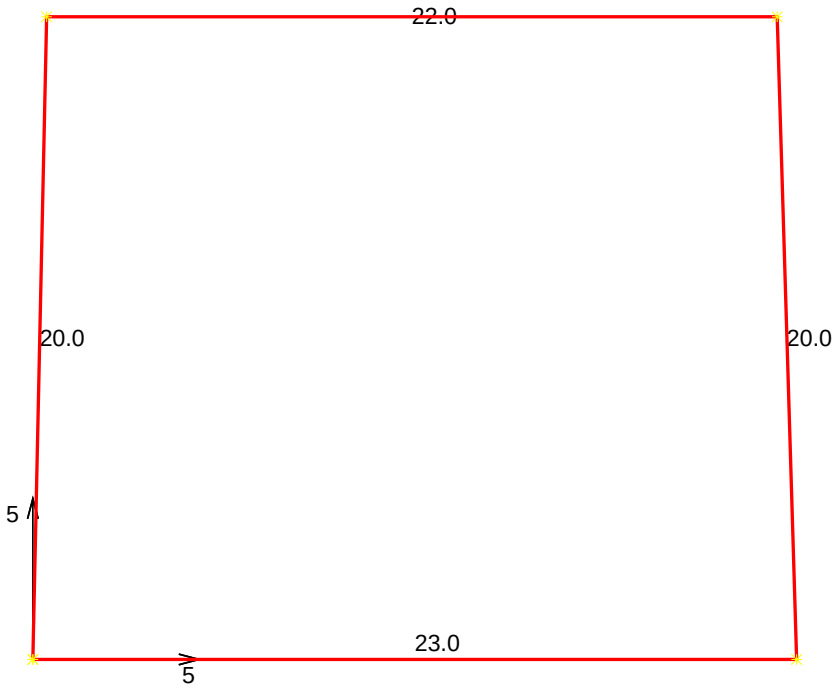


Return to beginning (19)

Id 03-12-003

Recorded Area= 460.0

Maximum Area= 449.9

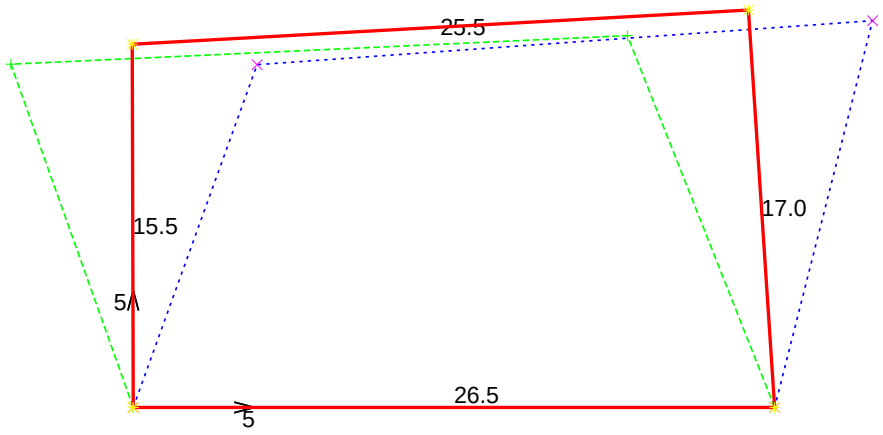


Return to beginning (19)

Id 03-12-004

Recorded Area= 400.0

Maximum Area= 422.1

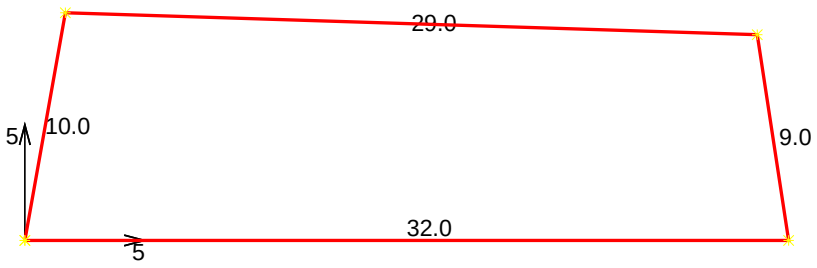


Return to beginning (19)

Id 03-13-002

Recorded Area= 311.0

Maximum Area= 286.1



Return to beginning (19)

Id 03-13-003

Recorded Area= 480.0

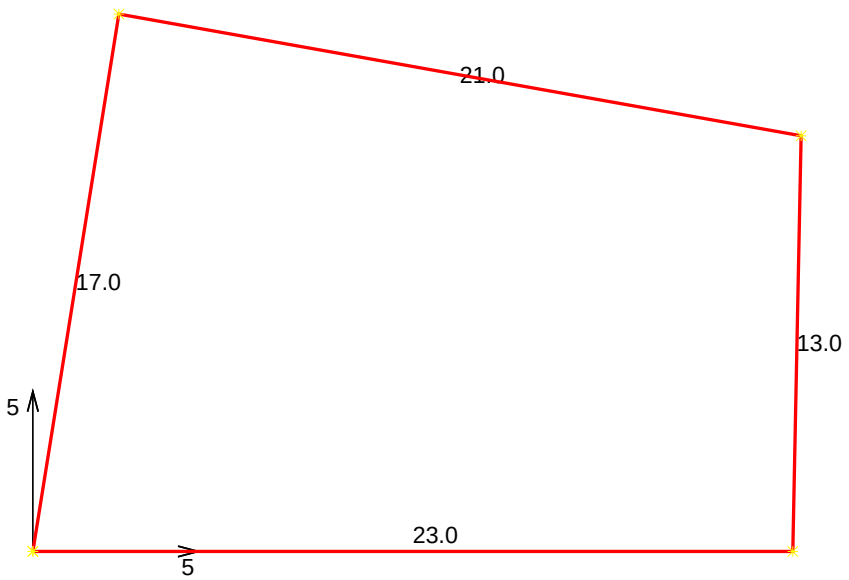
Maximum Area= 381.3

Return to beginning (19)

Id 03-13-004

Recorded Area= 330.0

Maximum Area= 327.9

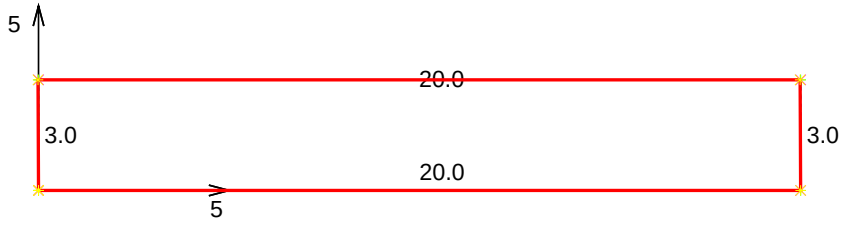


Return to beginning (19)

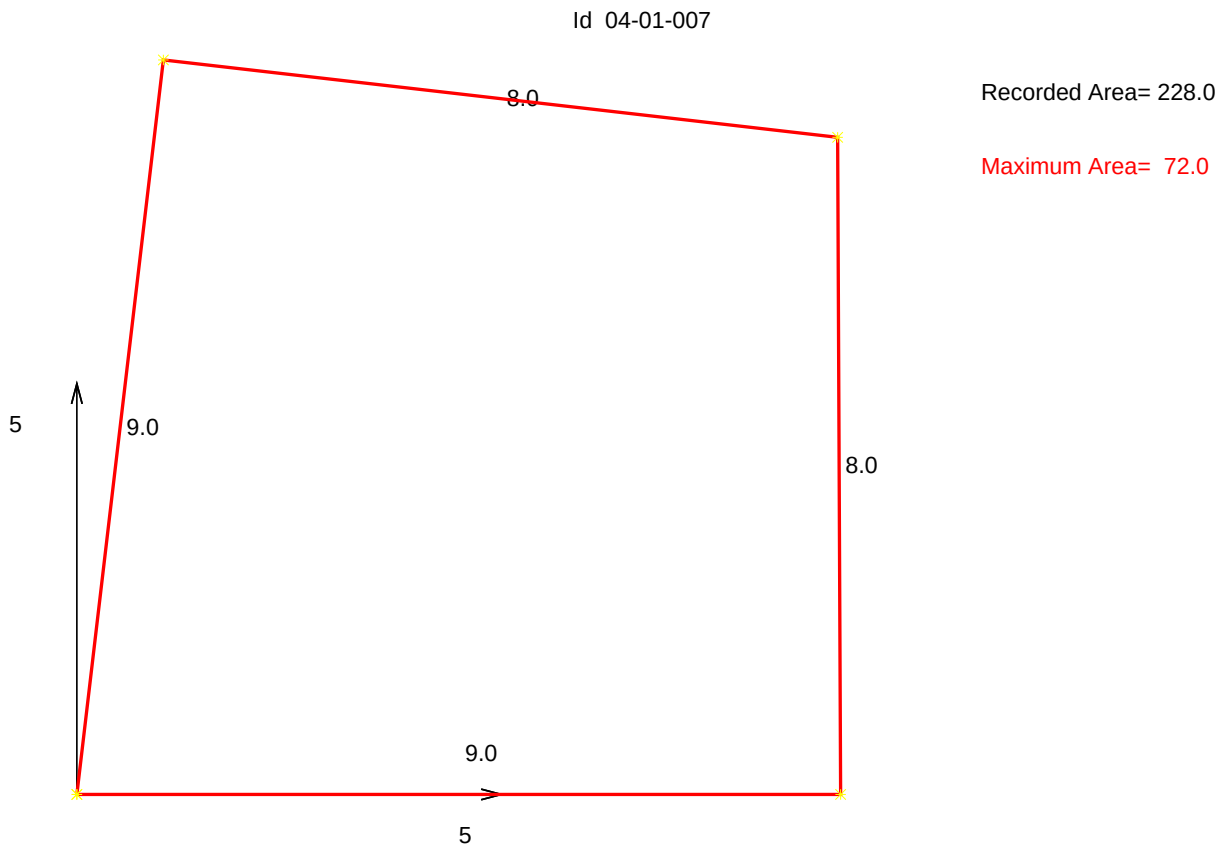
Id 04-01-005

Recorded Area= 60.0

Maximum Area= 60.0



Return to beginning (19)

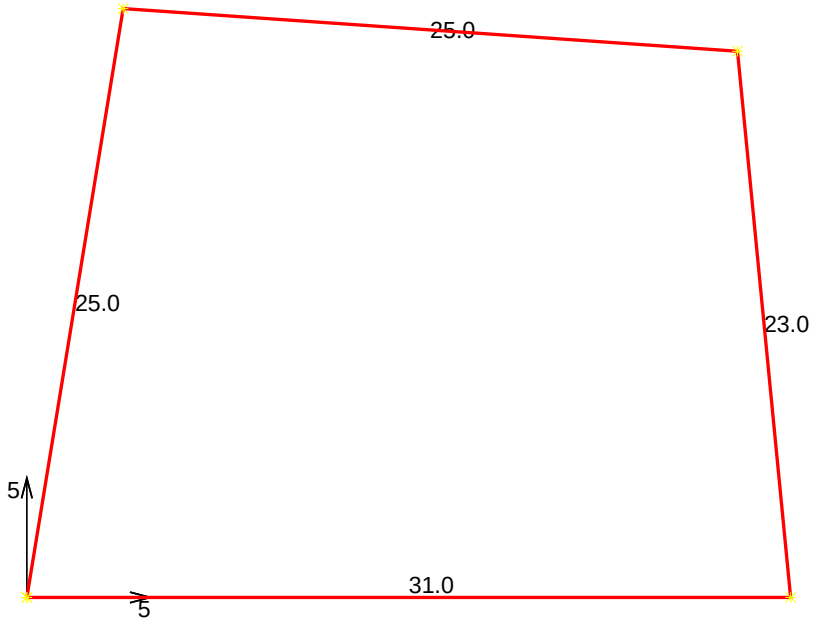


Return to beginning (19)

Id 04-01-008

Recorded Area= 669.0

Maximum Area= 666.3

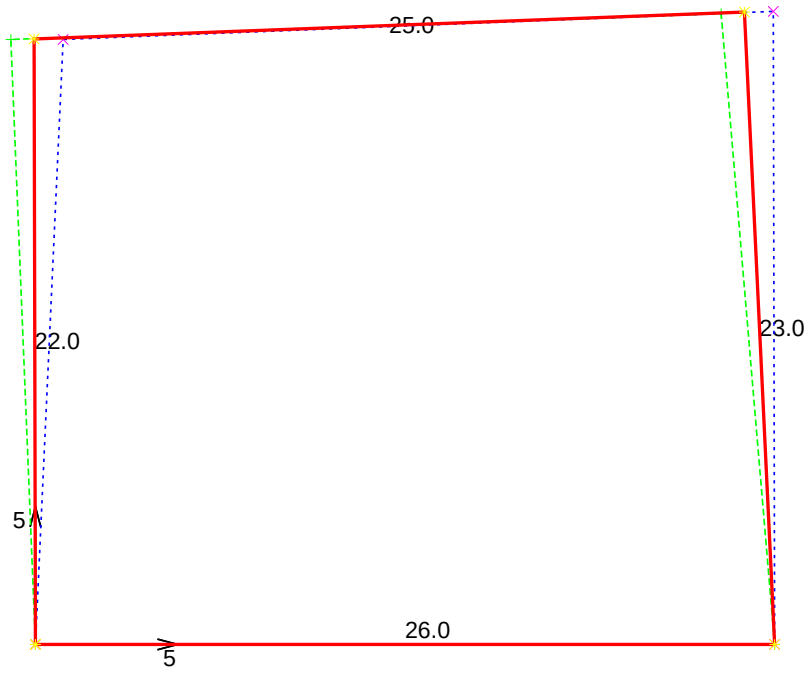


Return to beginning (19)

Id 04-03-002

Recorded Area= 573.0

Maximum Area= 573.5

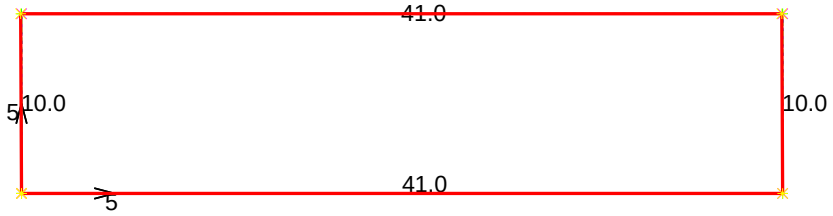


Return to beginning (20)

Id 04-03-003

Recorded Area= 410.0

Maximum Area= 410.0

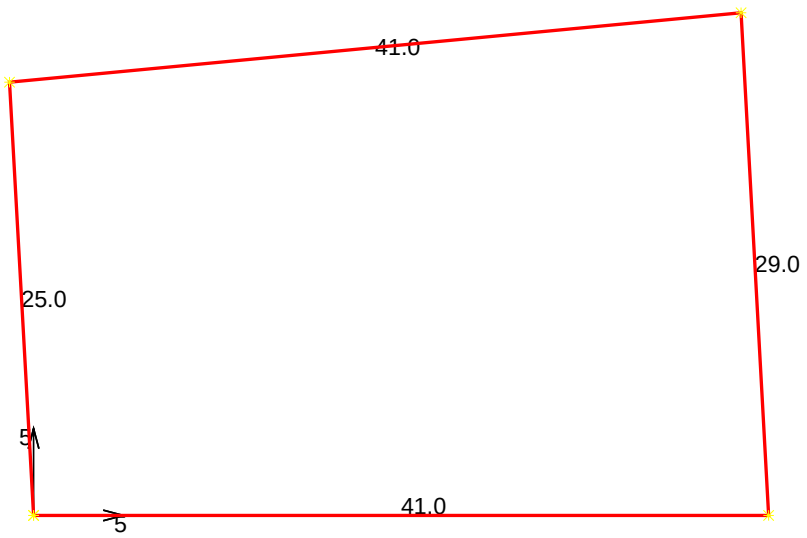


Return to beginning (20)

Id 04-03-004

Recorded Area=1107.0

Maximum Area=1105.7

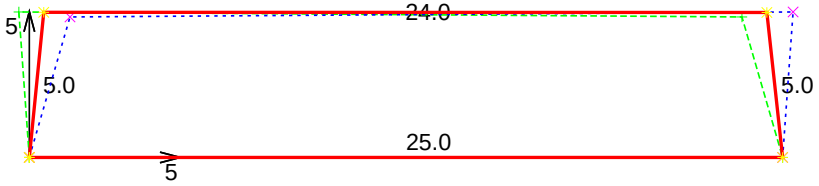


Return to beginning (20)

Id 04-03-005

Recorded Area= 120.0

Maximum Area= 121.9

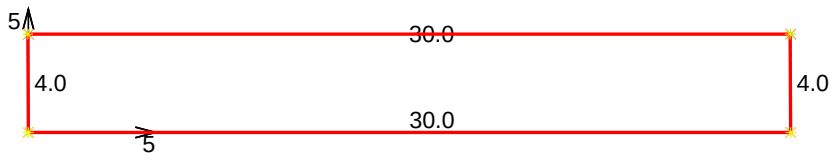


Return to beginning (20)

Id 04-03-006

Recorded Area= 120.0

Maximum Area= 120.0

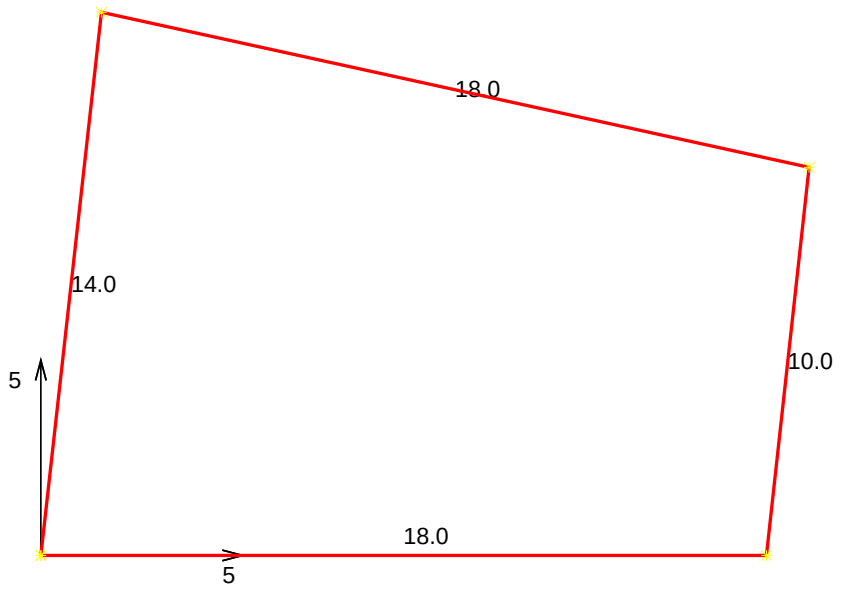


Return to beginning (20)

Id 04-04-003

Recorded Area= 240.0

Maximum Area= 214.7

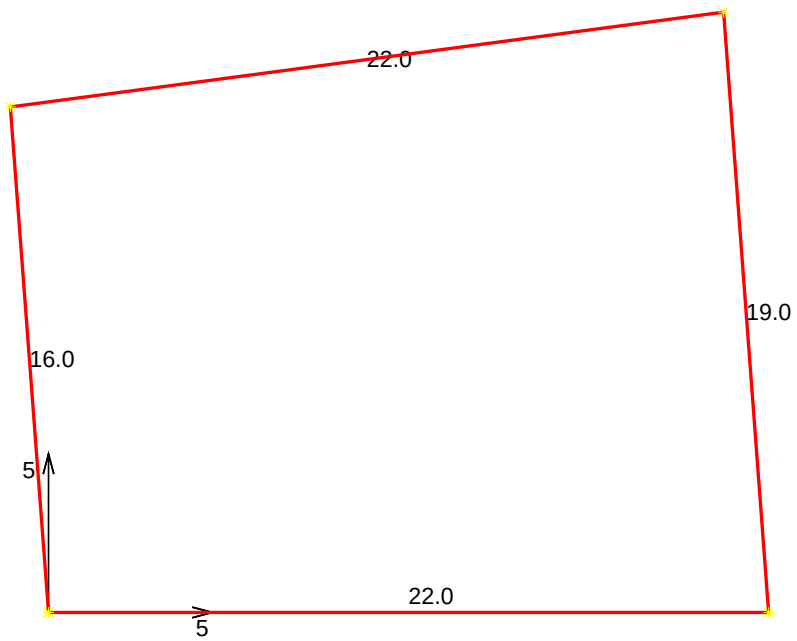


Return to beginning (20)

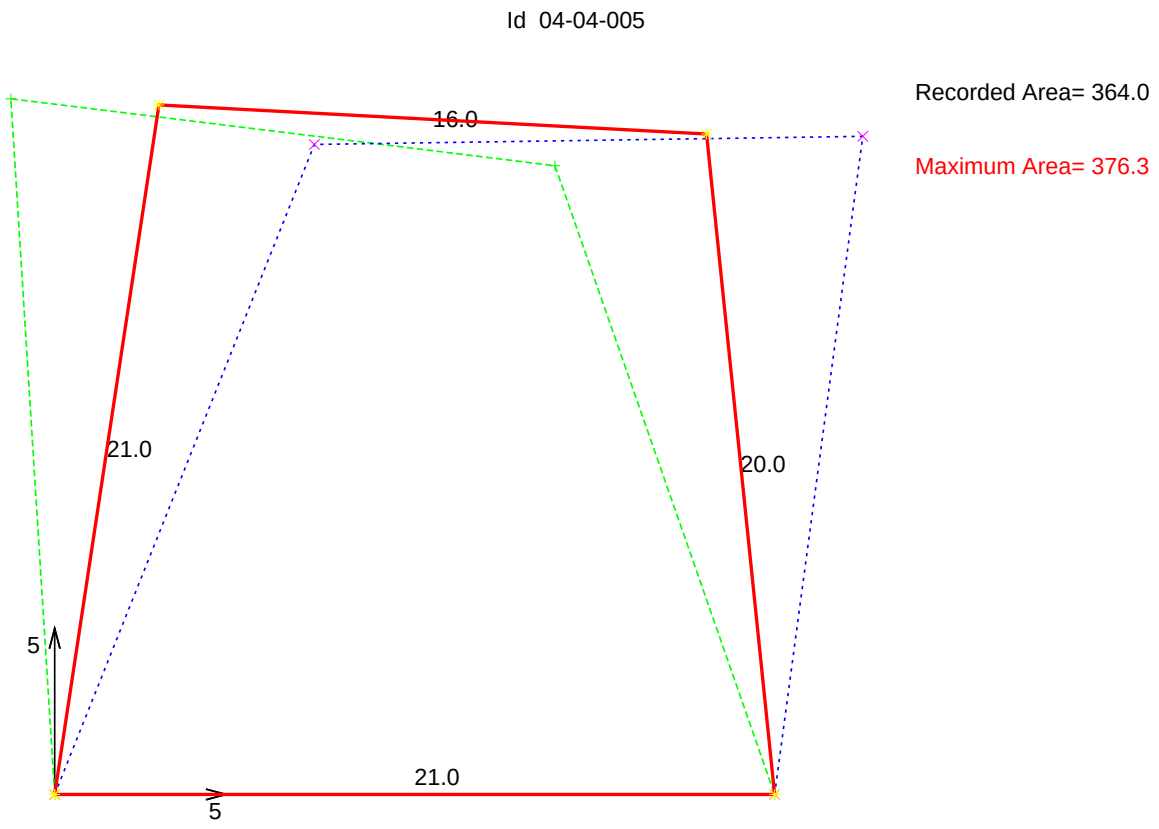
Id 04-04-004

Recorded Area= 390.0

Maximum Area= 384.1



Return to beginning (20)

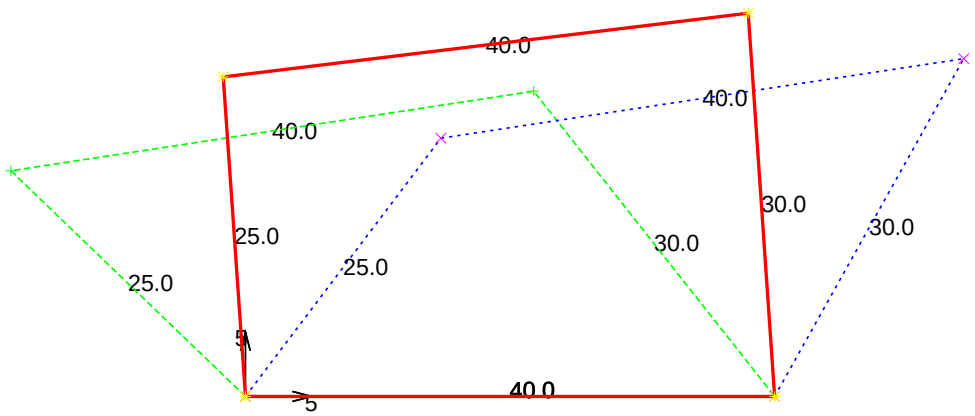


Return to beginning (20)

Id 04-04-006

Recorded Area= 880.0

Maximum Area=1097.8

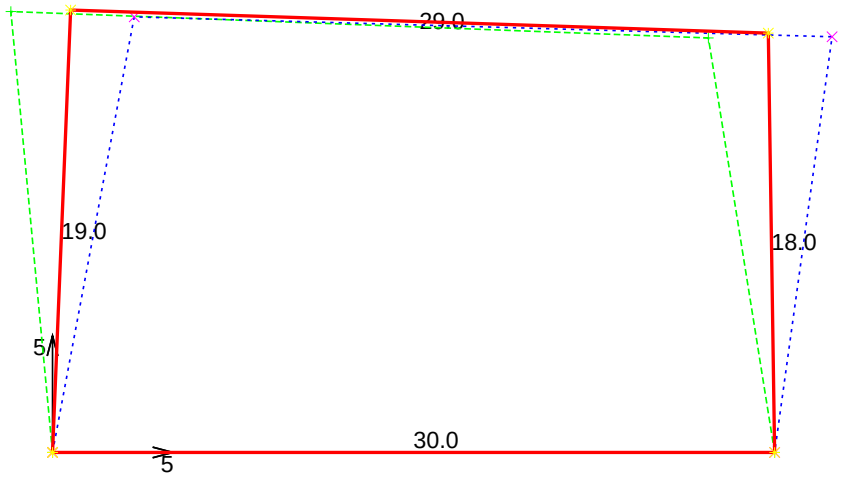


Return to beginning (20)

Id 04-06-001

Recorded Area= 540.0

Maximum Area= 545.5

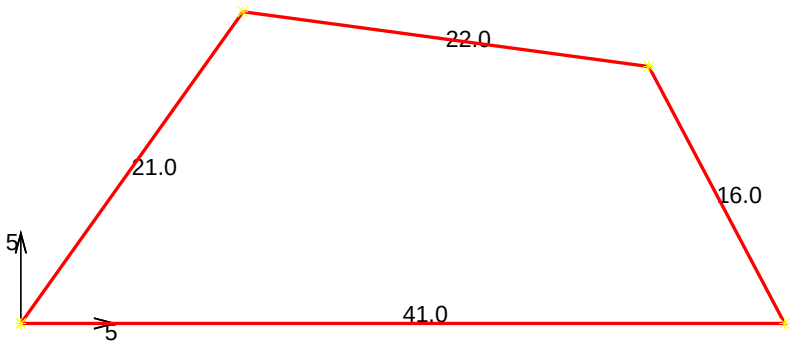


Return to beginning (20)

Id 04-06-002

Recorded Area= 715.0

Maximum Area= 498.5

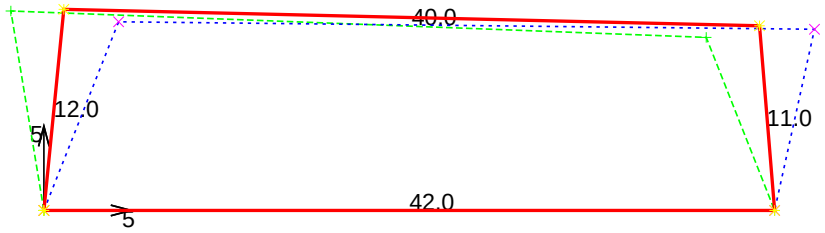


Return to beginning (20)

Id 04-06-003

Recorded Area= 451.0

Maximum Area= 469.7

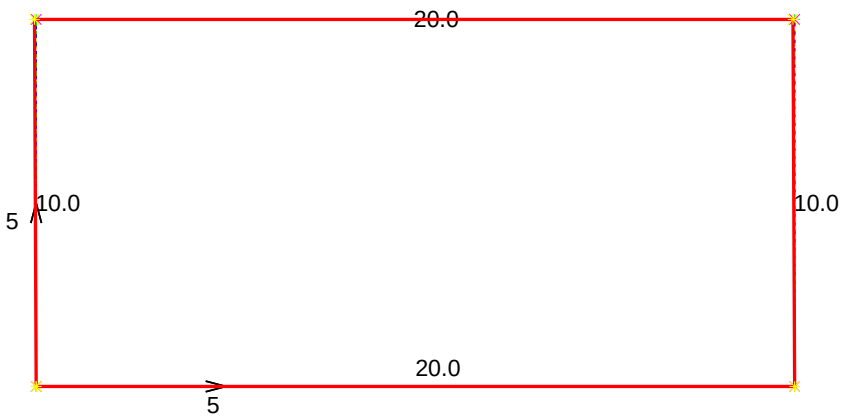


Return to beginning (20)

Id 04-06-005

Recorded Area= 200.0

Maximum Area= 200.0

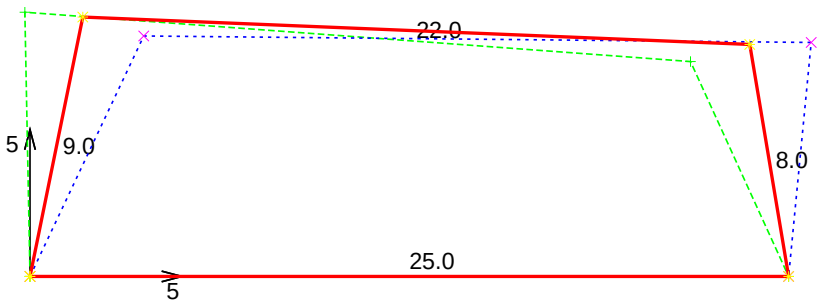


Return to beginning (20)

Id 04-06-006

Recorded Area= 190.0

Maximum Area= 196.6

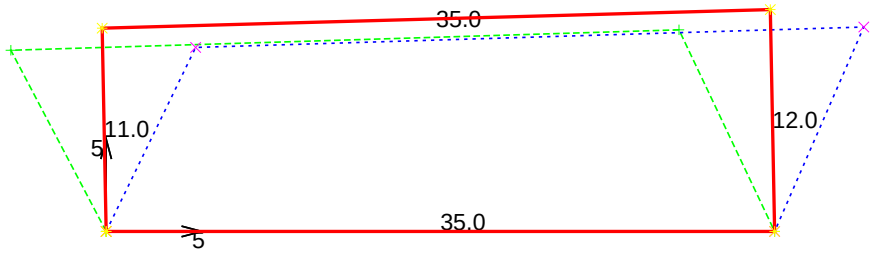


Return to beginning (20)

Id 04-07-001

Recorded Area= 365.0

Maximum Area= 402.5

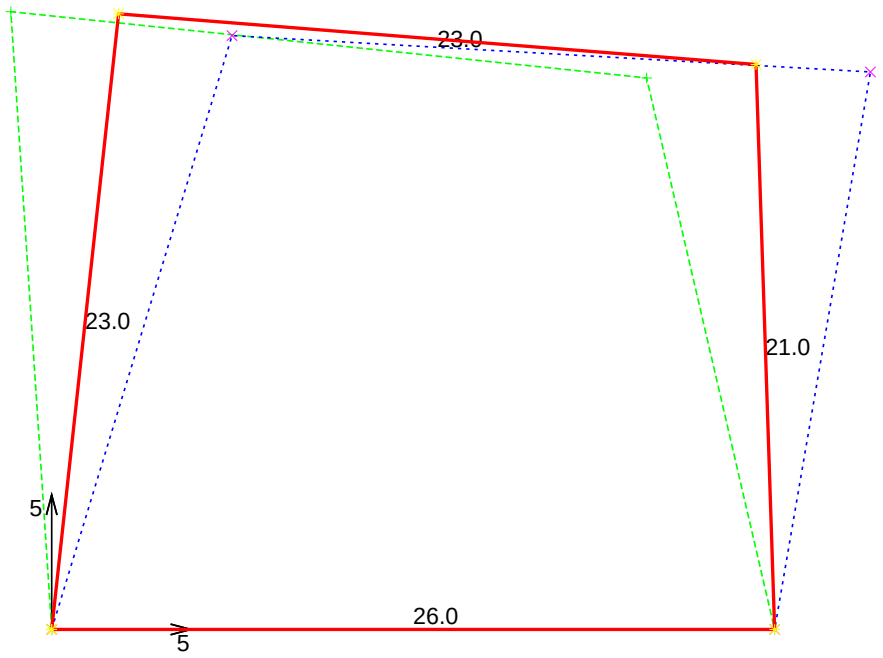


Return to beginning (20)

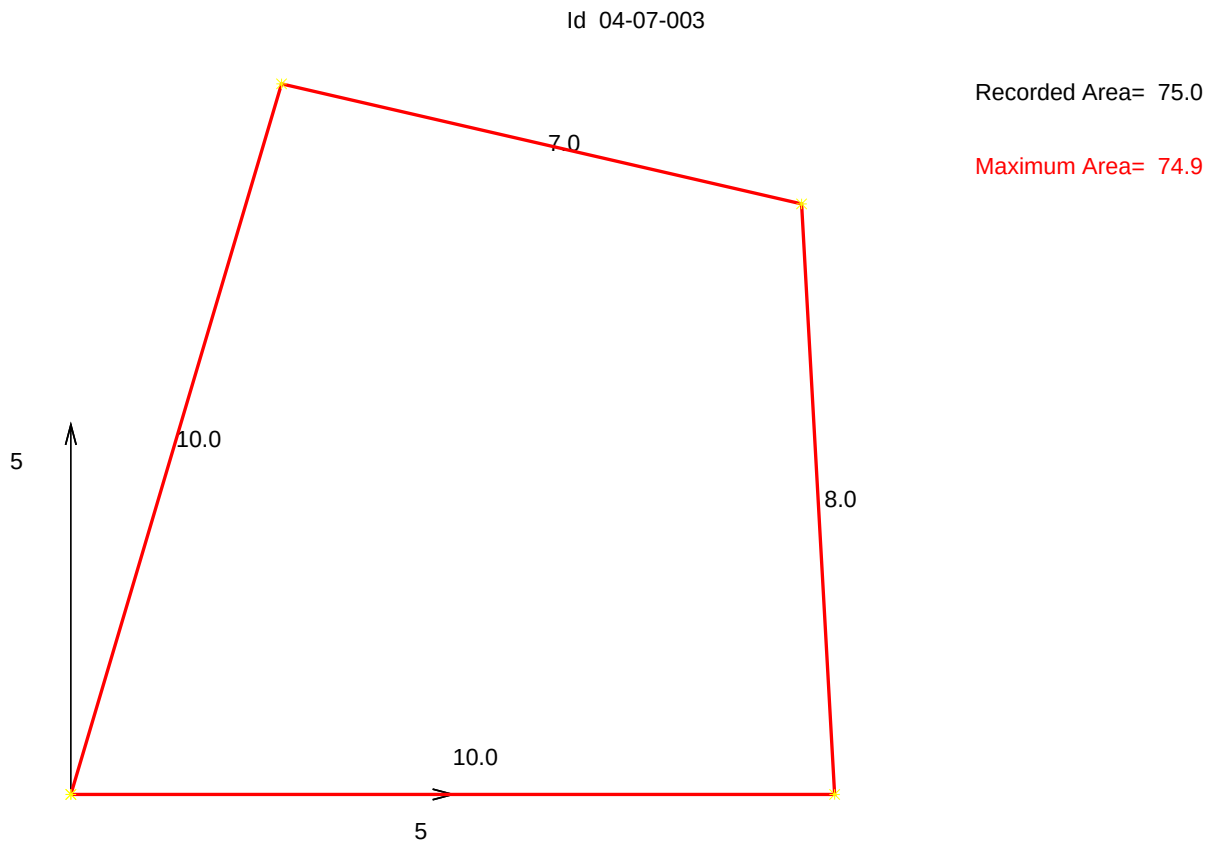
Id 04-07-002

Recorded Area= 527.0

Maximum Area= 537.3



Return to beginning (20)

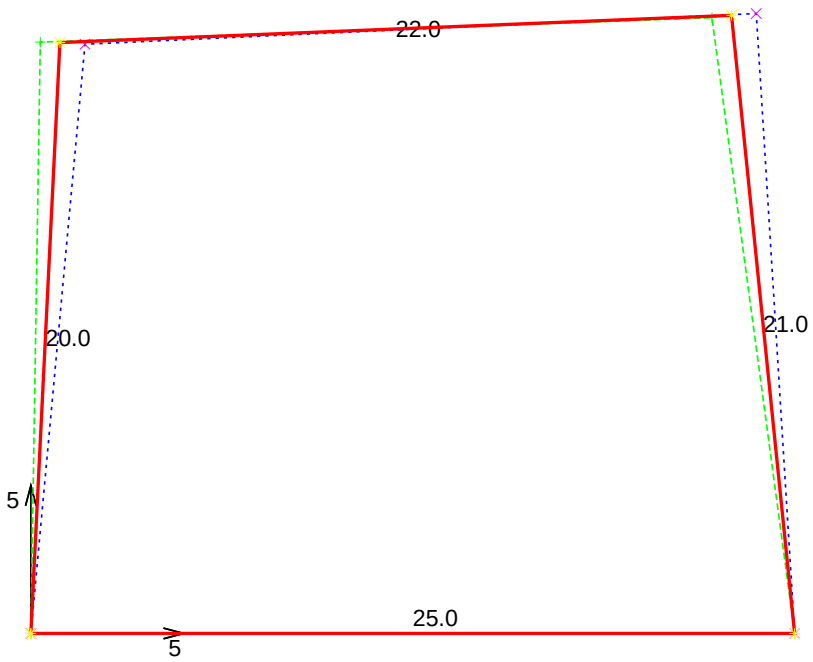


Return to beginning (21)

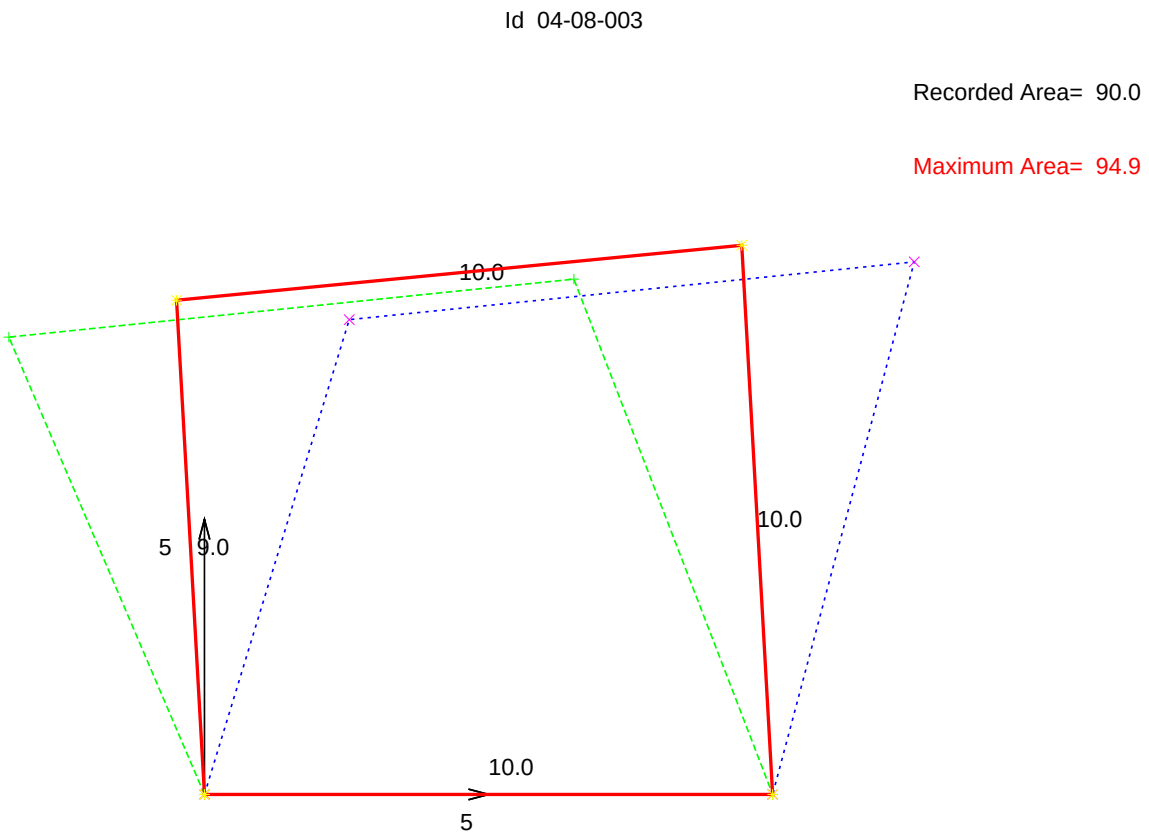
Id 04-08-002

Recorded Area= 480.0

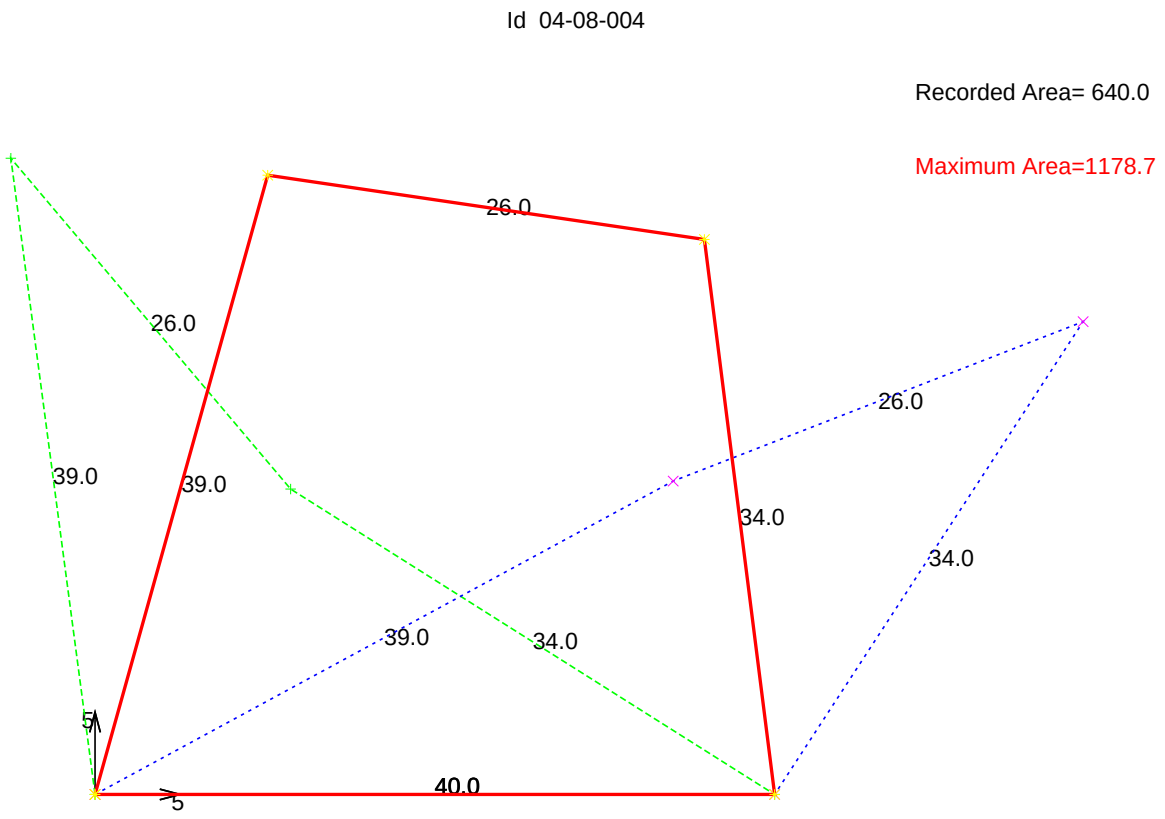
Maximum Area= 480.3



Return to beginning (21)



Return to beginning (21)

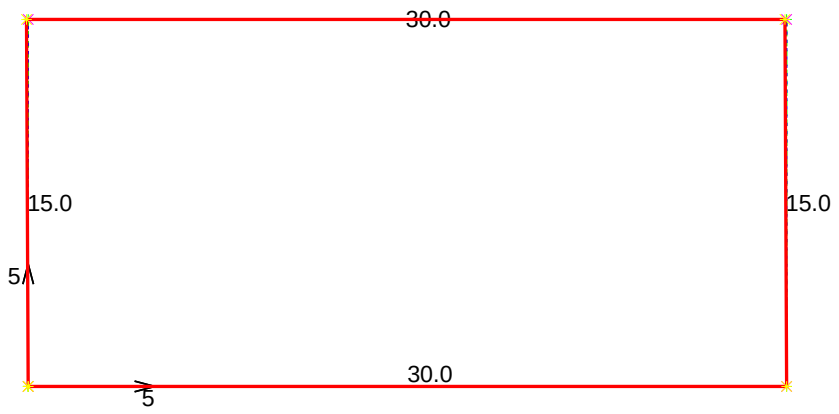


Return to beginning (21)

Id 04-08-005

Recorded Area= 450.0

Maximum Area= 450.0

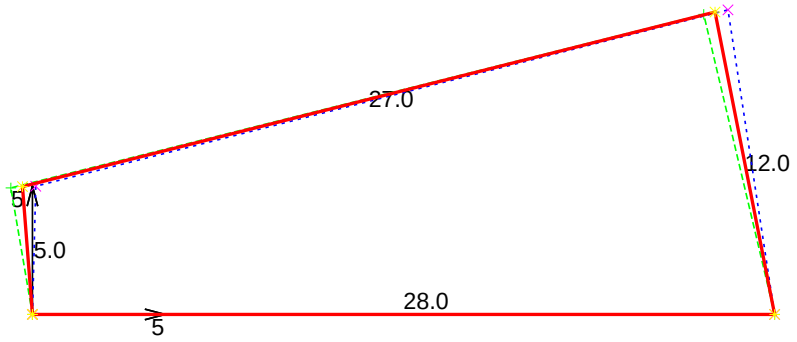


Return to beginning (21)

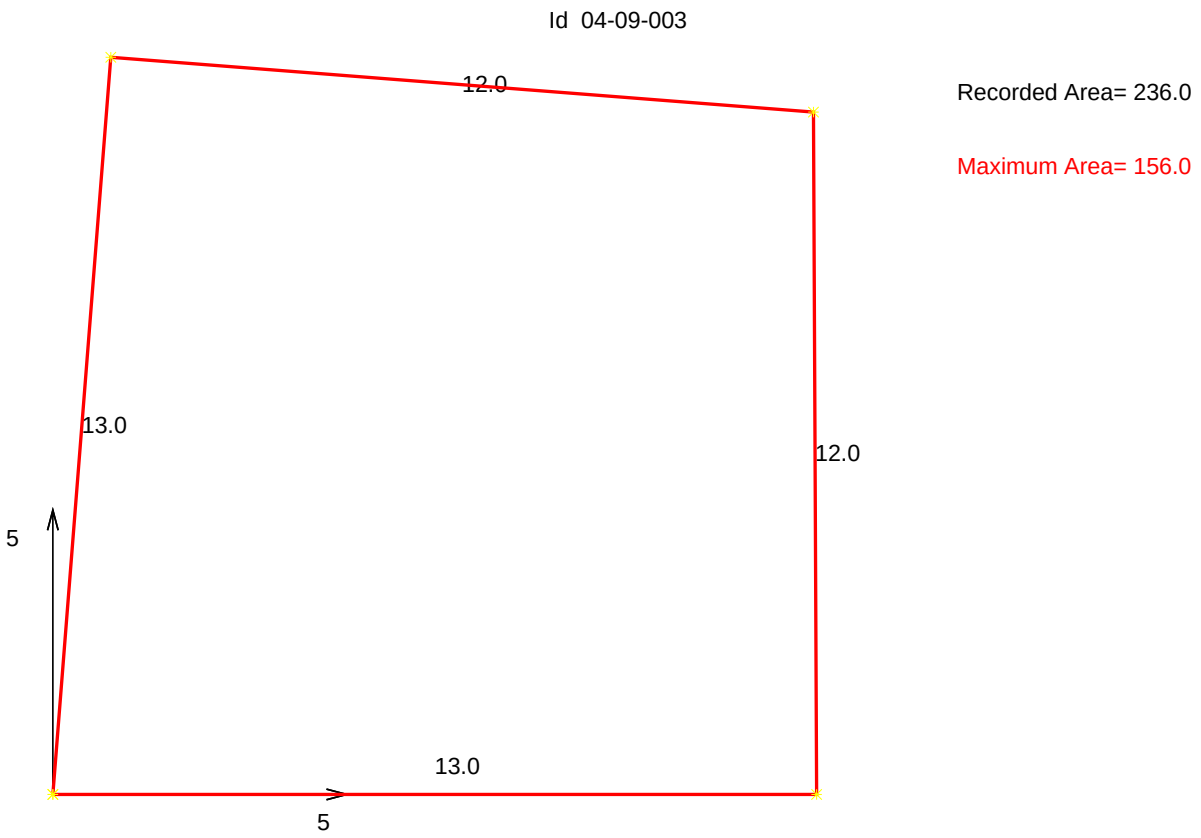
Id 04-09-002

Recorded Area= 231.0

Maximum Area= 231.4



Return to beginning (21)

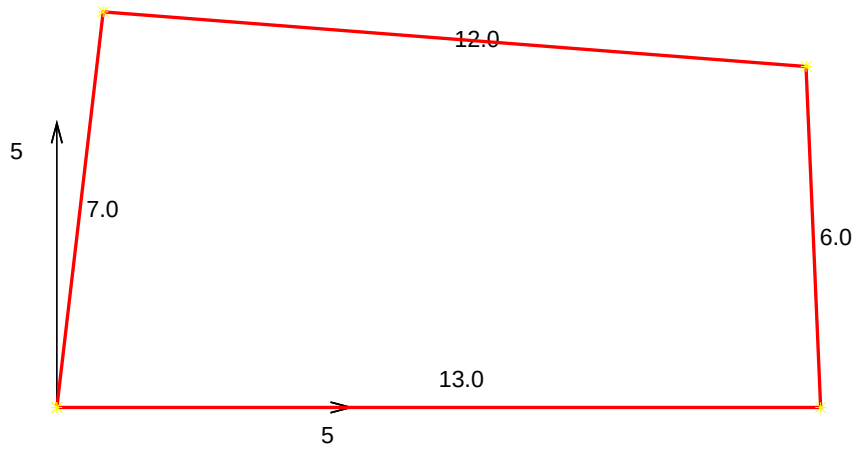


Return to beginning (21)

Id 04-10-002

Recorded Area= 81.0

Maximum Area= 80.9

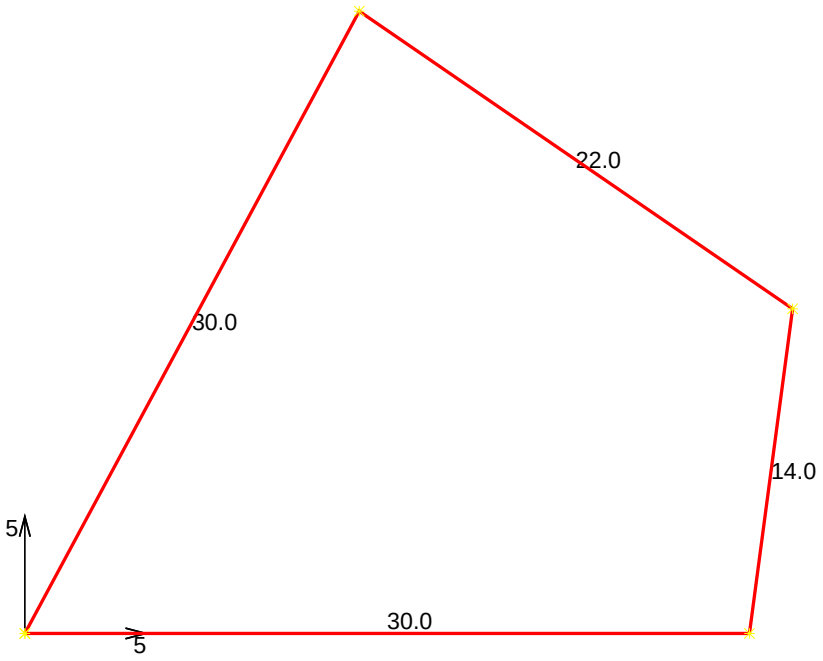


Return to beginning (21)

Id 04-10-004

Recorded Area= 769.0

Maximum Area= 535.2

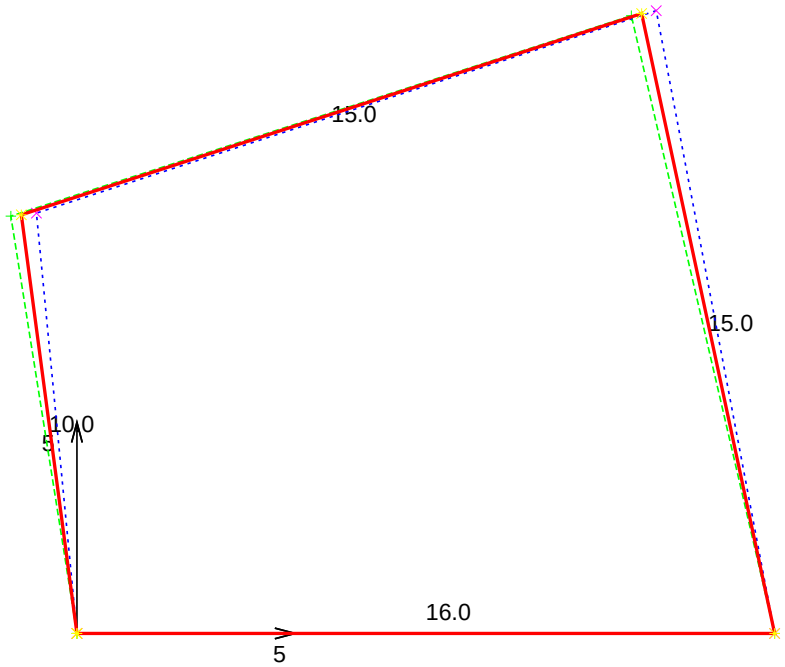


Return to beginning (21)

Id 04-11-002

Recorded Area= 191.0

Maximum Area= 191.1

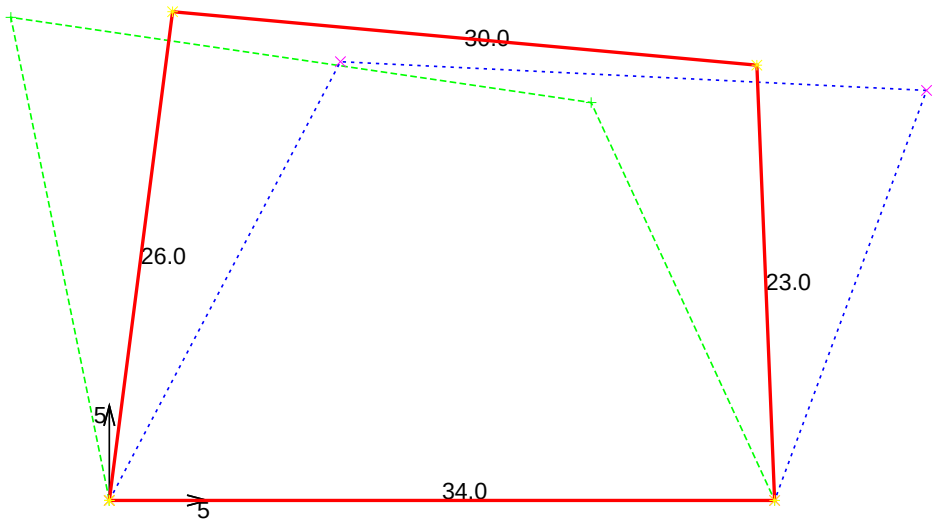


Return to beginning (21)

Id 04-11-003

Recorded Area= 724.0

Maximum Area= 780.5

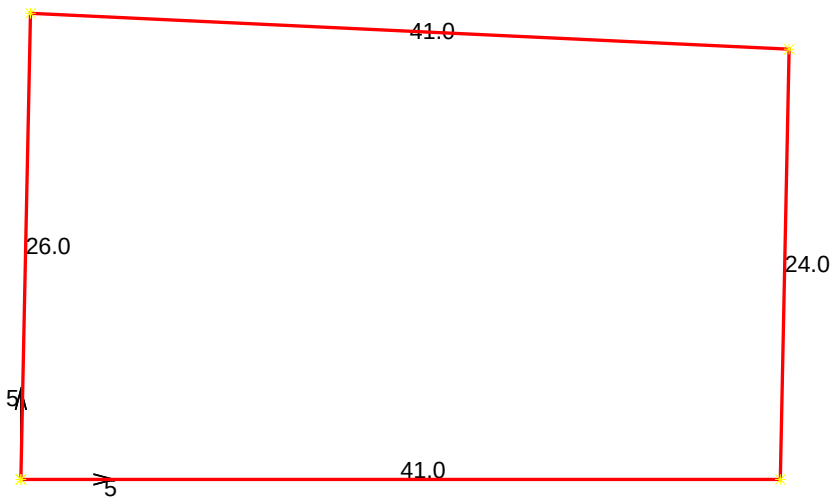


Return to beginning (21)

Id 04-12-001

Recorded Area=1025.0

Maximum Area=1024.7

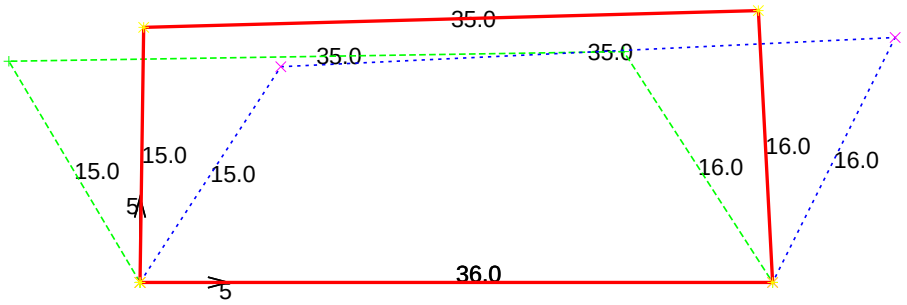


Return to beginning (21)

Id 04-12-002

Recorded Area= 474.0

Maximum Area= 549.9

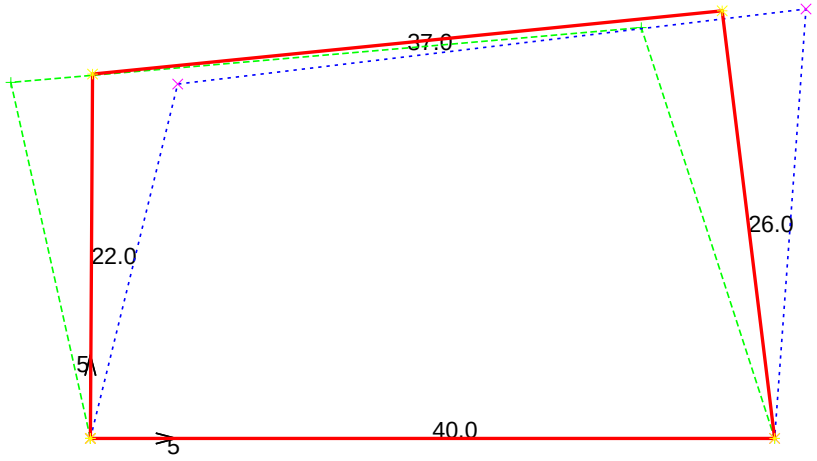


Return to beginning (21)

Id 04-12-003

Recorded Area= 900.0

Maximum Area= 920.9

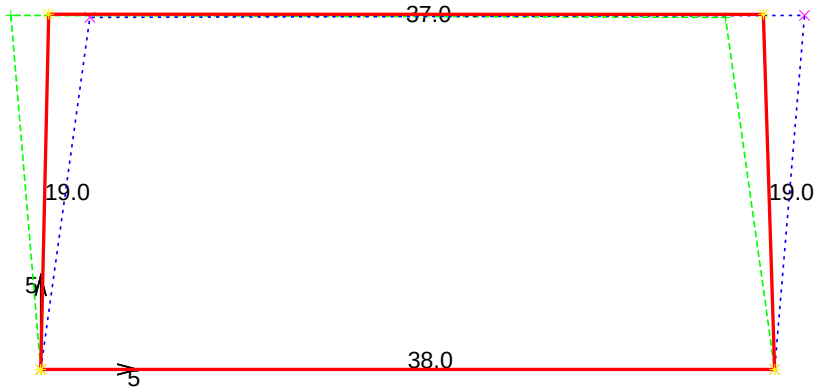


Return to beginning (21)

Id 05-01-008

Recorded Area= 708.0

Maximum Area= 712.3

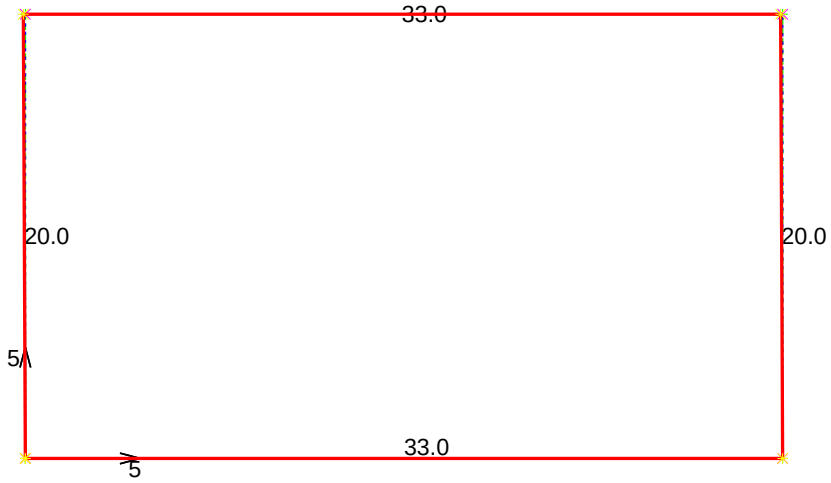


Return to beginning (21)

Id 05-01-009

Recorded Area= 660.0

Maximum Area= 660.0

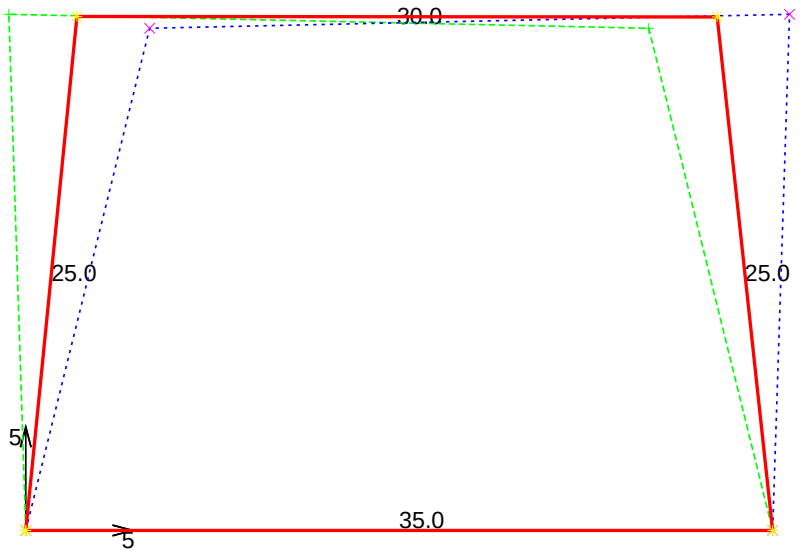


Return to beginning (21)

Id 05-01-010

Recorded Area= 800.0

Maximum Area= 808.4

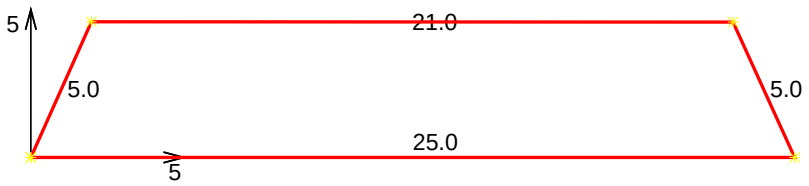


Return to beginning (22)

Id 05-01-011

Recorded Area= 560.0

Maximum Area= 105.4

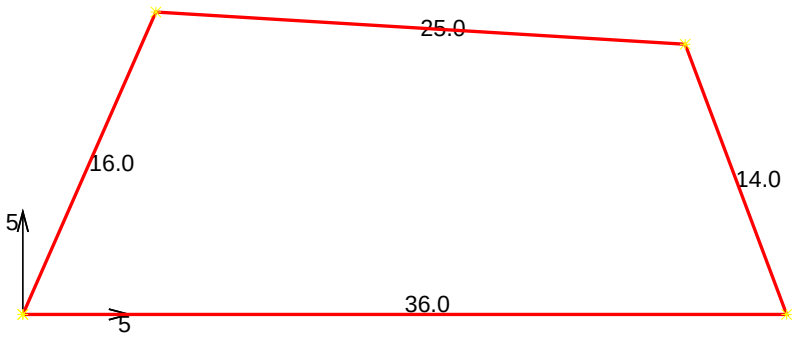


Return to beginning (22)

Id 05-01-012

Recorded Area= 430.0

Maximum Area= 425.4

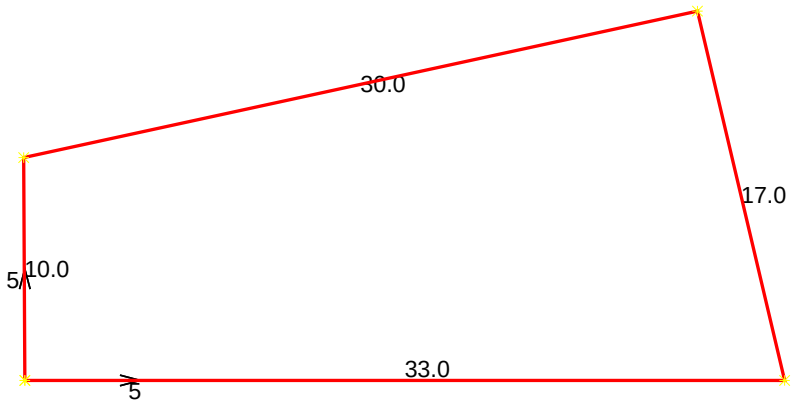


Return to beginning (22)

Id 05-01-016

Recorded Area= 426.0

Maximum Area= 420.0

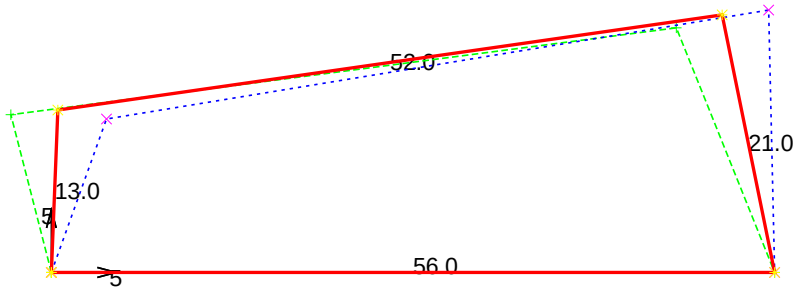


Return to beginning (22)

Id 05-02-001

Recorded Area= 884.0

Maximum Area= 909.1

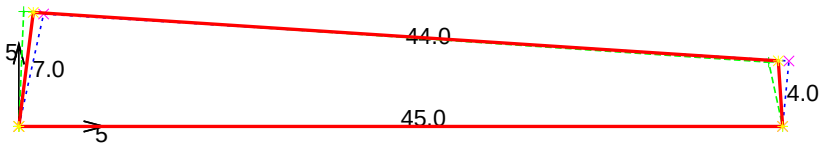


Return to beginning (22)

Id 05-02-002

Recorded Area= 242.0

Maximum Area= 243.6

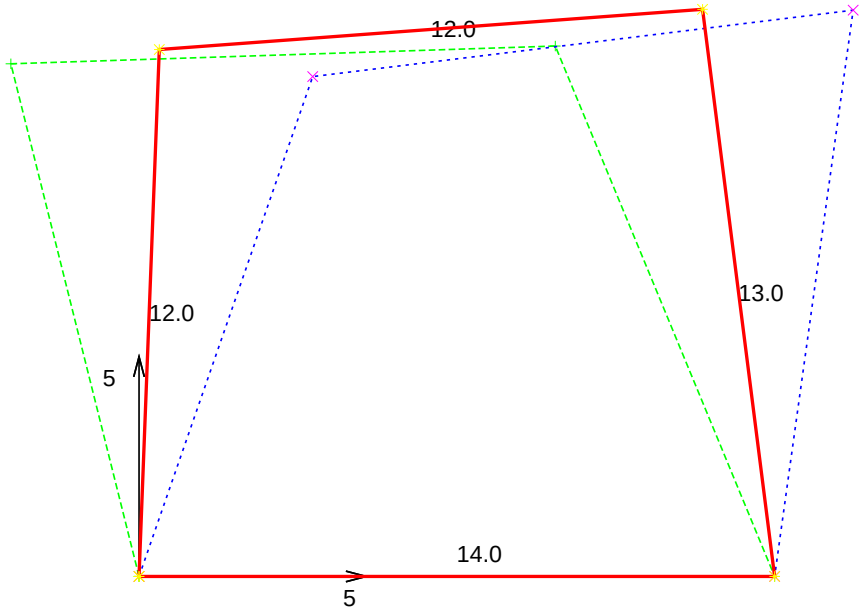


Return to beginning (22)

Id 05-02-004

Recorded Area= 155.0

Maximum Area= 161.9

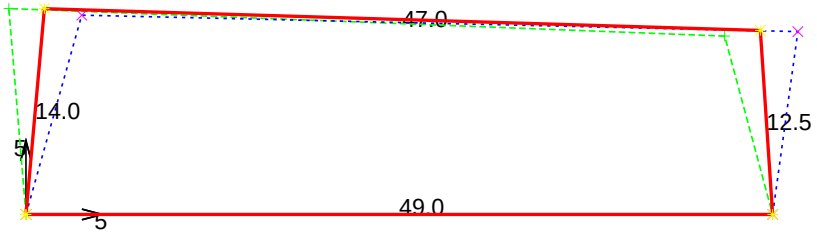


Return to beginning (22)

Id 05-03-006

Recorded Area= 623.0

Maximum Area= 634.1

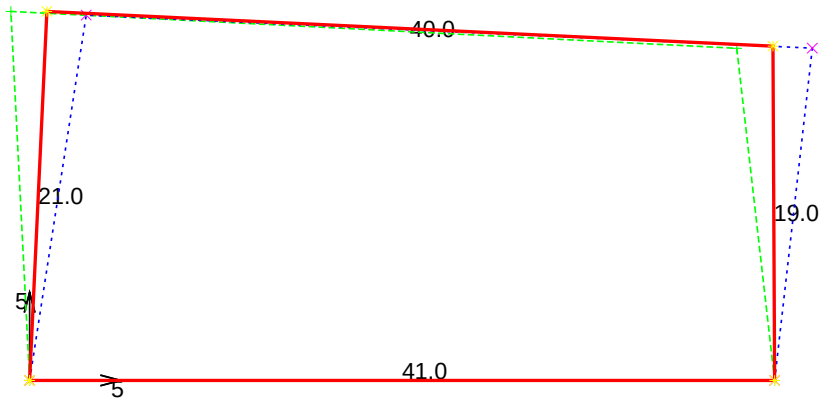


Return to beginning (22)

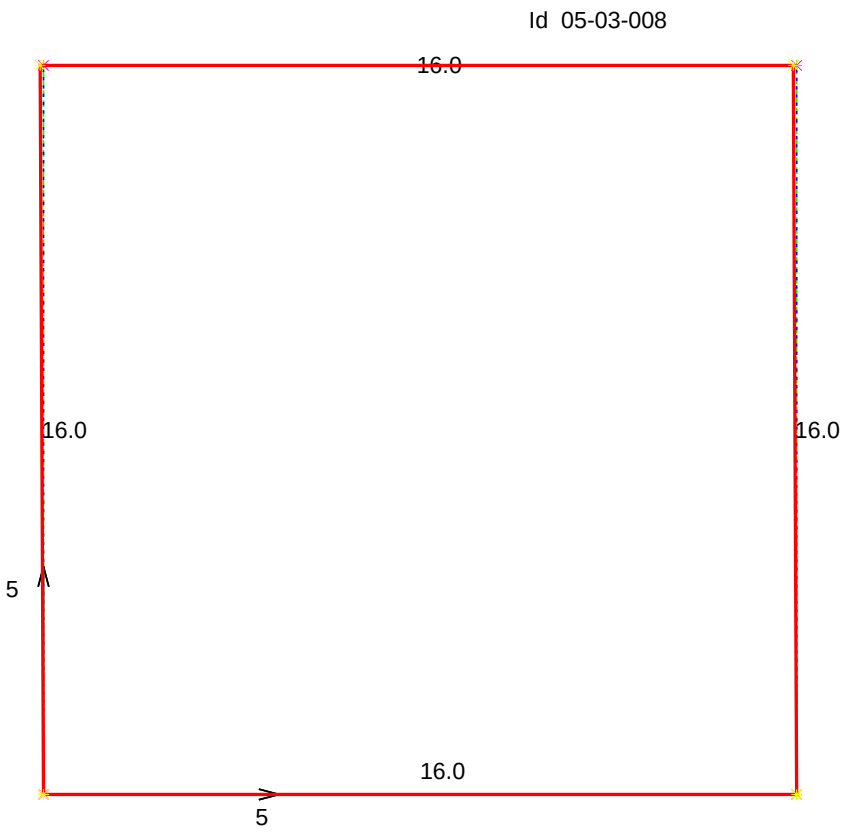
Id 05-03-007

Recorded Area= 805.0

Maximum Area= 809.5



Return to beginning (22)



Recorded Area= 256.0

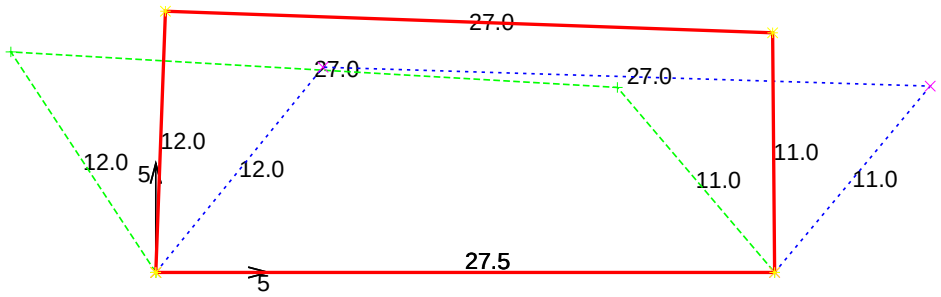
Maximum Area= 256.0

Return to beginning (22)

Id 05-04-002

Recorded Area= 248.0

Maximum Area= 313.2

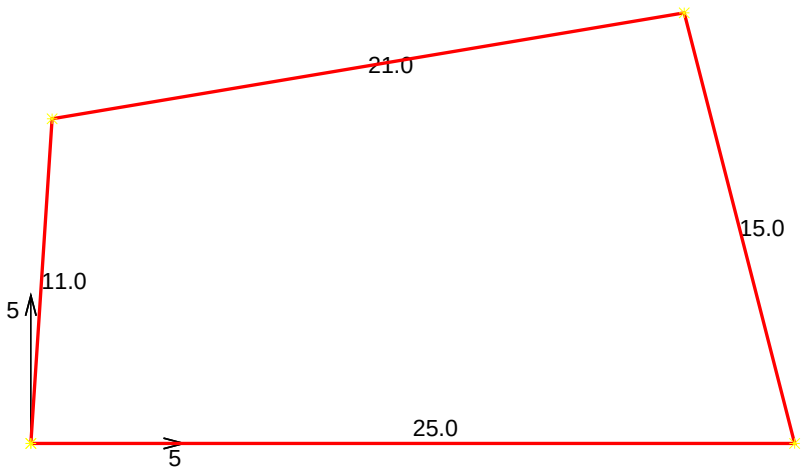


Return to beginning (22)

Id 05-04-003

Recorded Area= 360.0

Maximum Area= 294.3

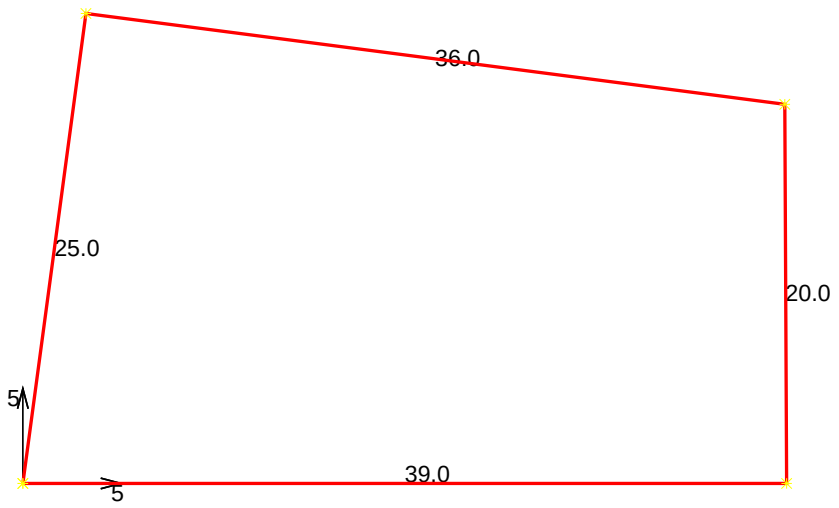


Return to beginning (22)

Id 05-04-004

Recorded Area= 889.0

Maximum Area= 840.0

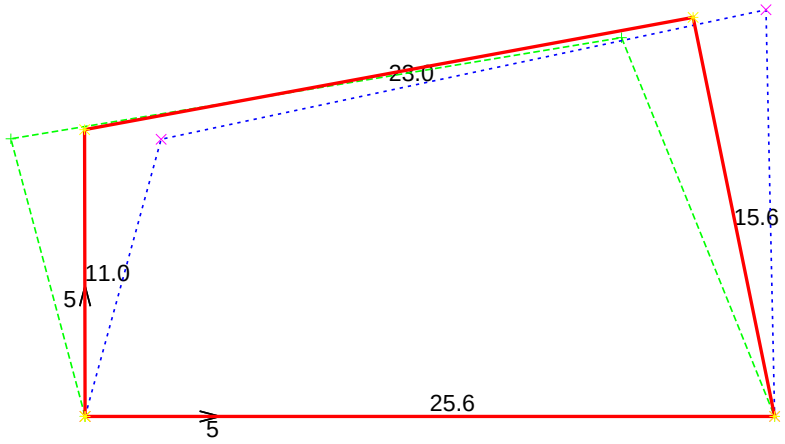


Return to beginning (22)

Id 05-04-005

Recorded Area= 312.0

Maximum Area= 320.2

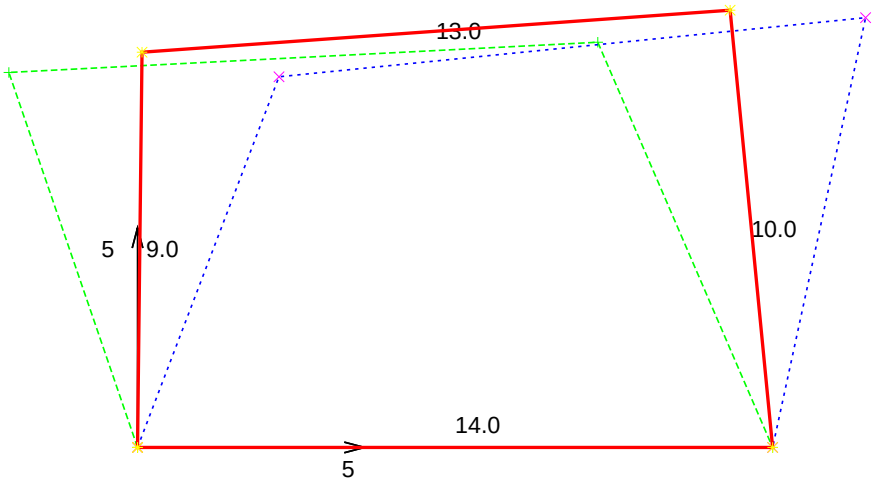


Return to beginning (22)

Id 05-04-006

Recorded Area= 121.0

Maximum Area= 128.0

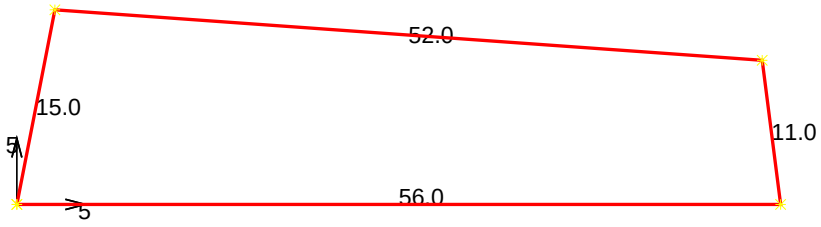


Return to beginning (22)

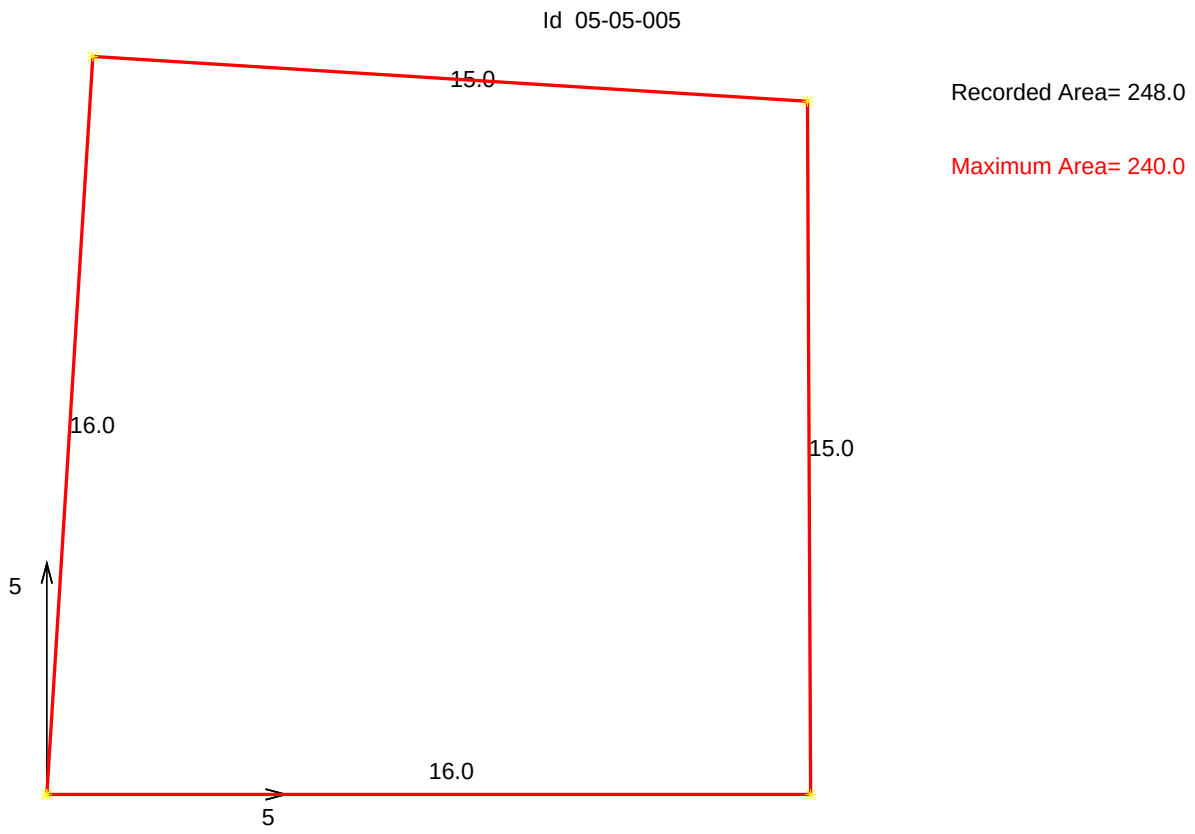
Id 05-05-003

Recorded Area= 700.0

Maximum Area= 693.2



Return to beginning (22)

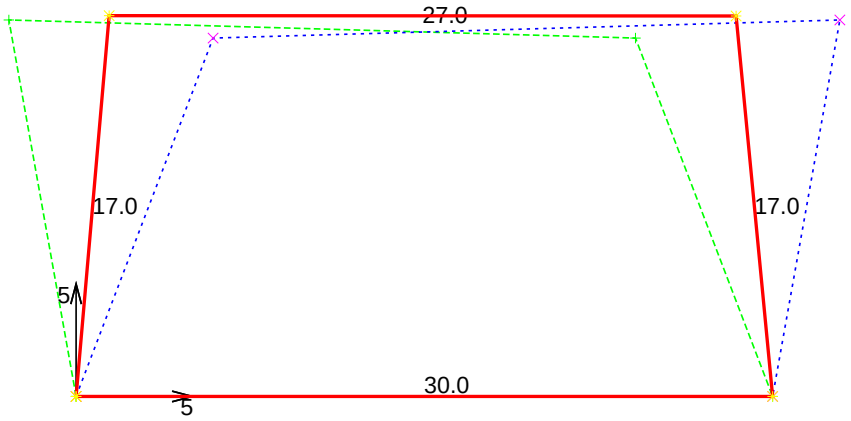


Return to beginning (23)

Id 05-05-006

Recorded Area= 464.0

Maximum Area= 482.6

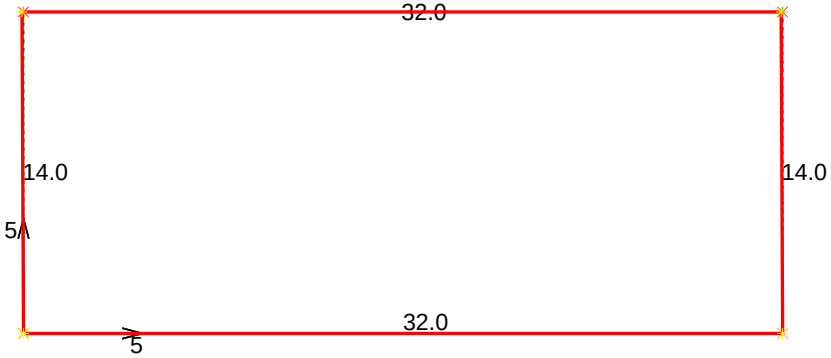


Return to beginning (23)

Id 05-05-007

Recorded Area= 448.0

Maximum Area= 448.0

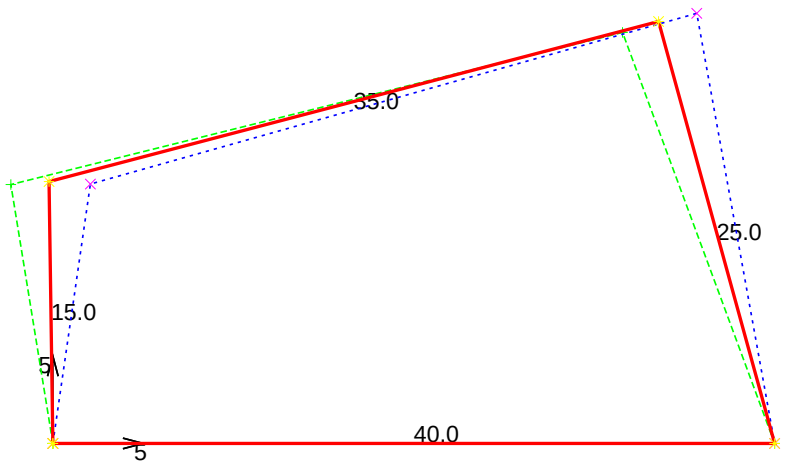


Return to beginning (23)

Id 05-05-009

Recorded Area= 732.0

Maximum Area= 737.5

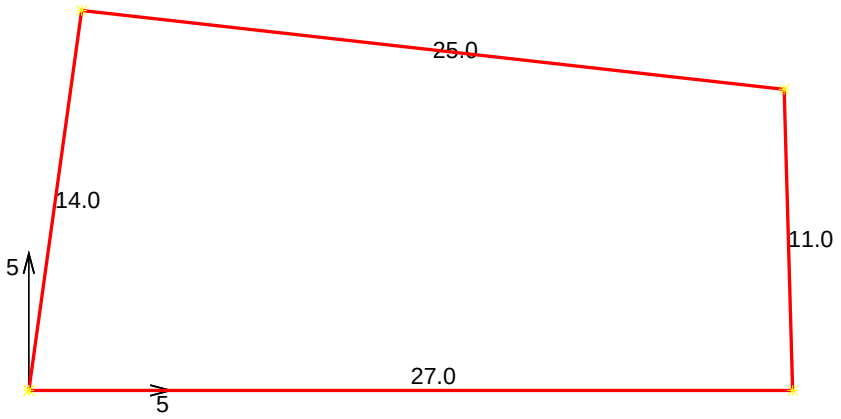


Return to beginning (23)

Id 05-05-010

Recorded Area= 338.0

Maximum Area= 323.4

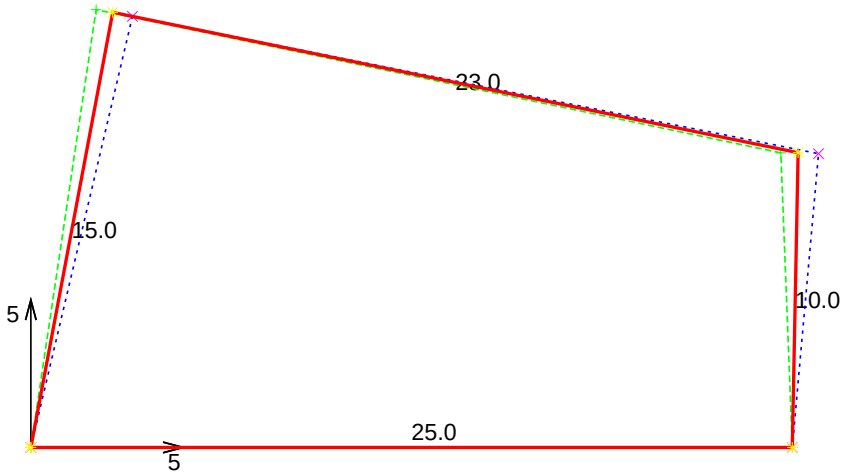


Return to beginning (23)

Id 05-06-002

Recorded Area= 297.0

Maximum Area= 297.4

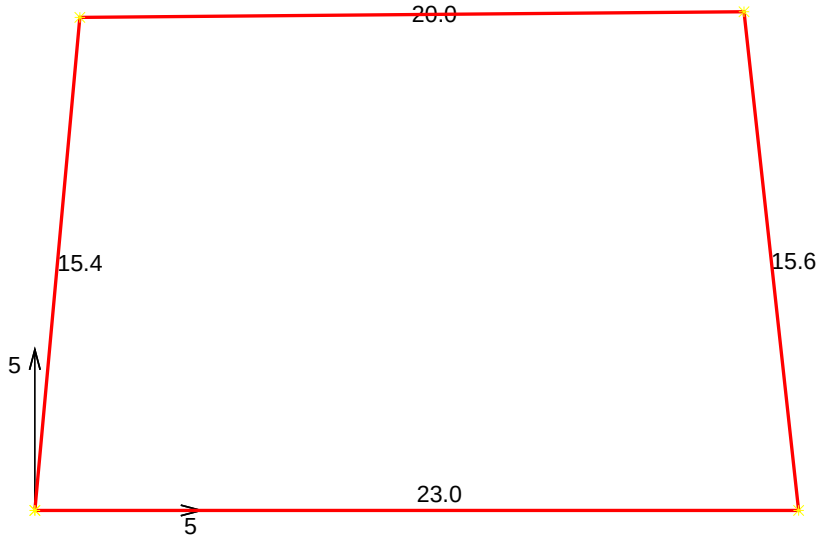


Return to beginning (23)

Id 05-06-003

Recorded Area= 370.0

Maximum Area= 331.7

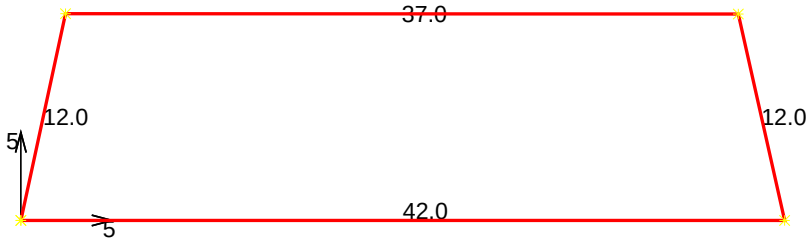


Return to beginning (23)

Id 05-07-001

Recorded Area= 466.0

Maximum Area= 463.6

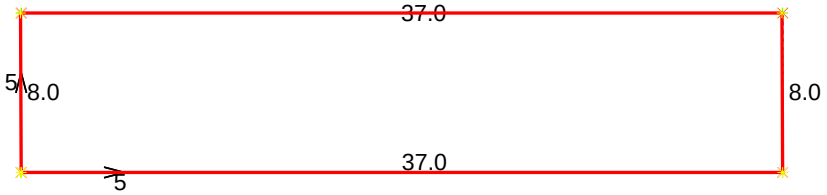


Return to beginning (23)

Id 05-07-002

Recorded Area= 296.0

Maximum Area= 296.0

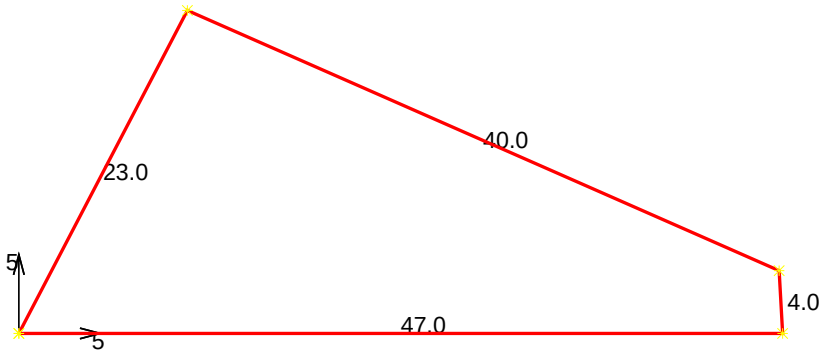


Return to beginning (23)

Id 05-08-002

Recorded Area= 645.0

Maximum Area= 553.5

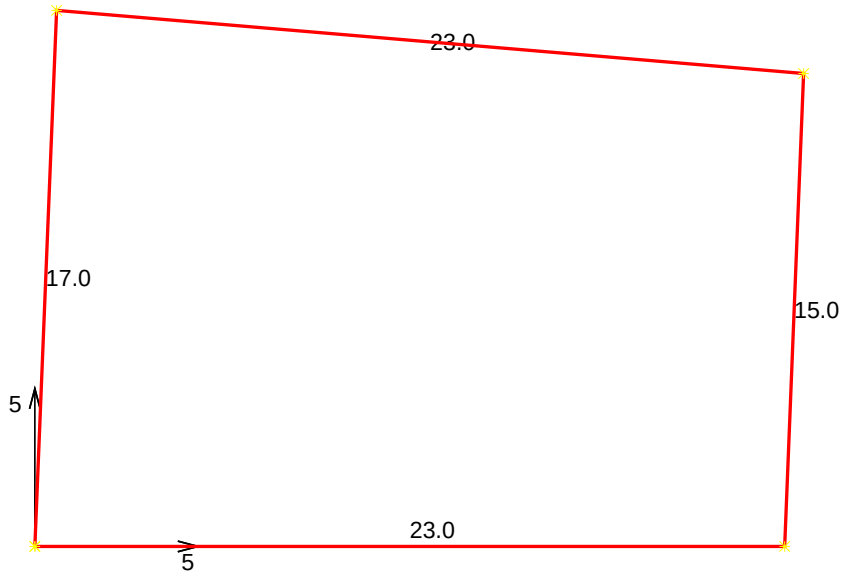


Return to beginning (23)

Id 05-08-003

Recorded Area= 443.0

Maximum Area= 367.7

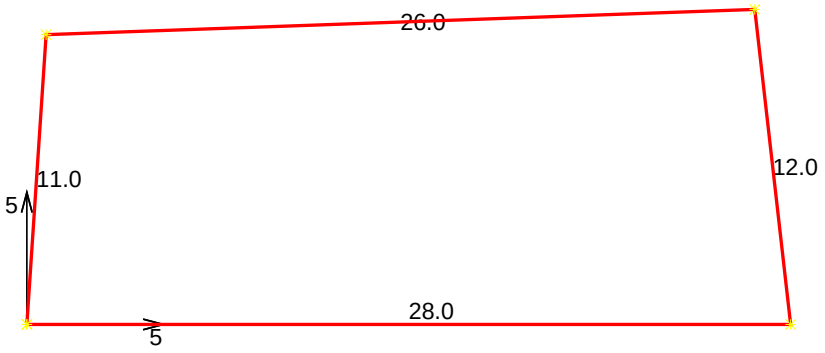


Return to beginning (23)

Id 05-08-006

Recorded Area= 322.0

Maximum Area= 309.3

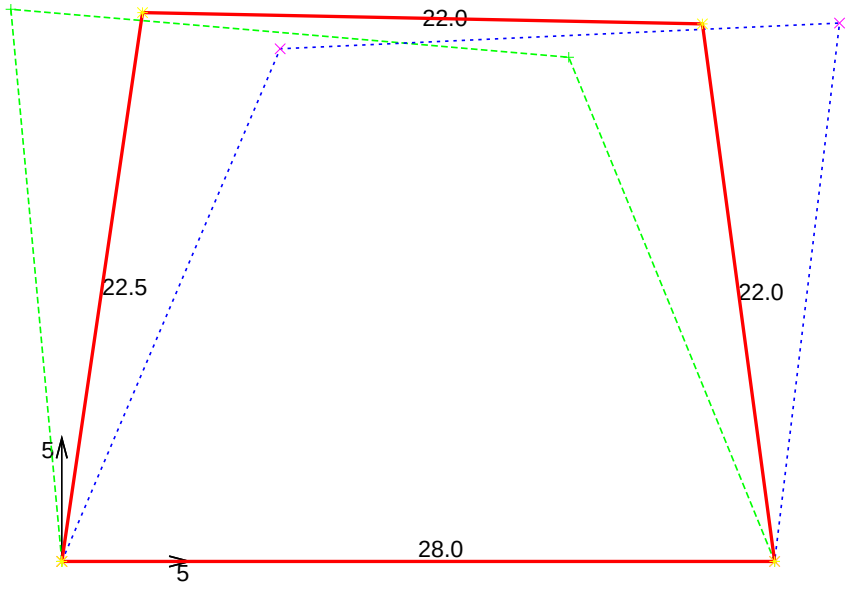


Return to beginning (23)

Id 05-09-001

Recorded Area= 530.0

Maximum Area= 551.1

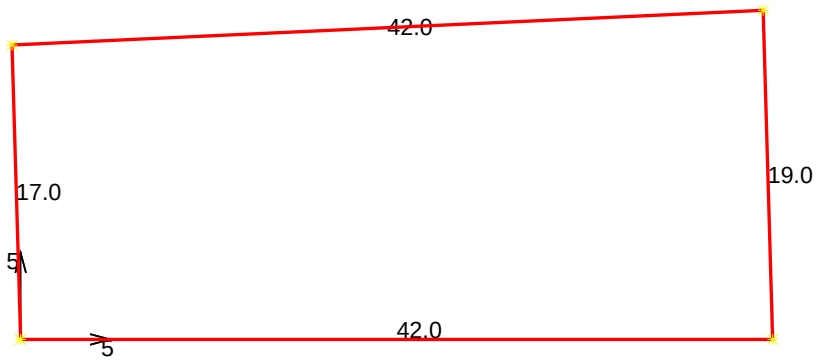


Return to beginning (23)

Id 05-09-002

Recorded Area= 861.0

Maximum Area= 755.8

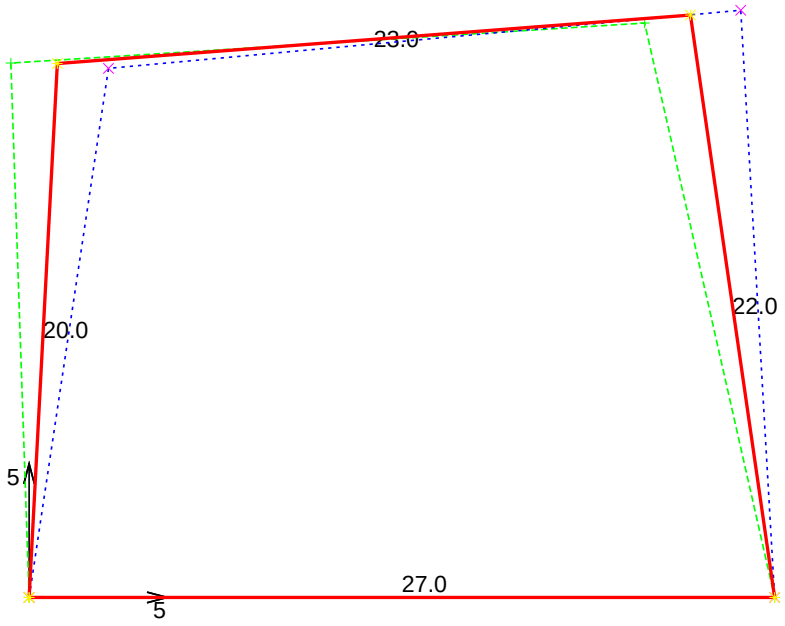


Return to beginning (23)

Id 05-09-003

Recorded Area= 520.0

Maximum Area= 522.2

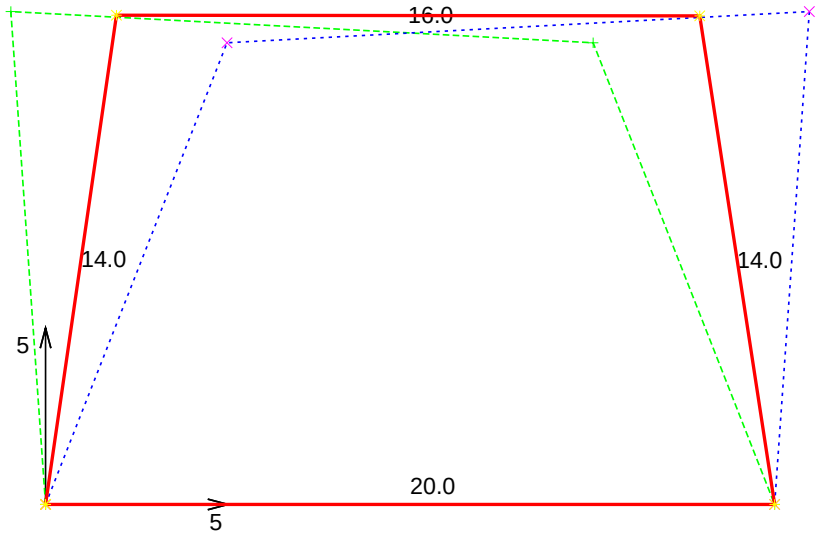


Return to beginning (23)

Id 05-09-006

Recorded Area= 242.0

Maximum Area= 249.4

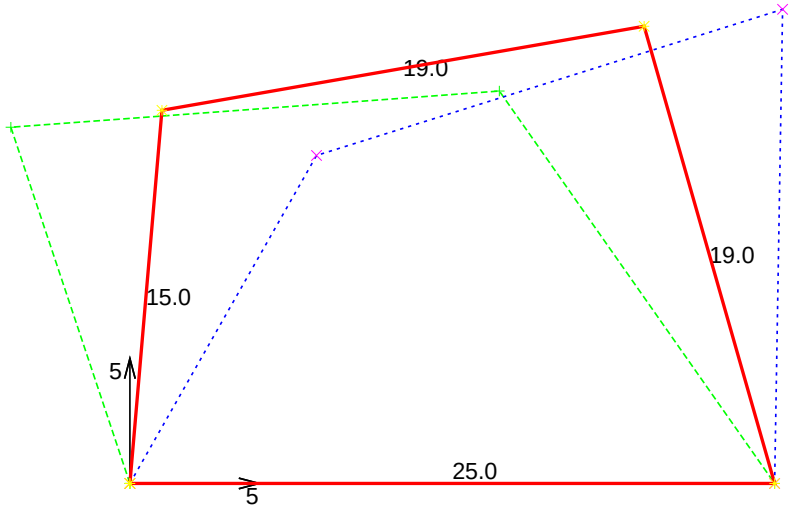


Return to beginning (23)

Id 05-10-005

Recorded Area= 335.0

Maximum Area= 366.6

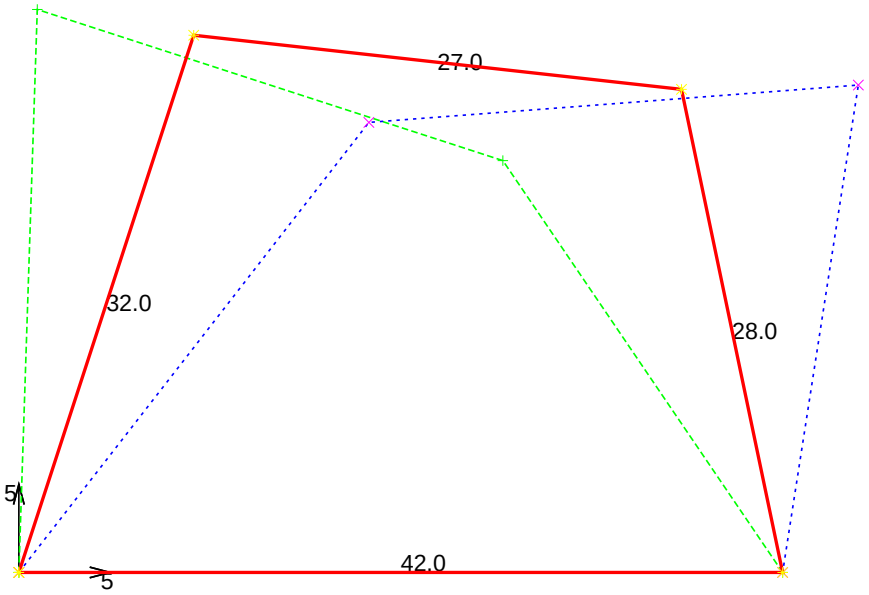


Return to beginning (24)

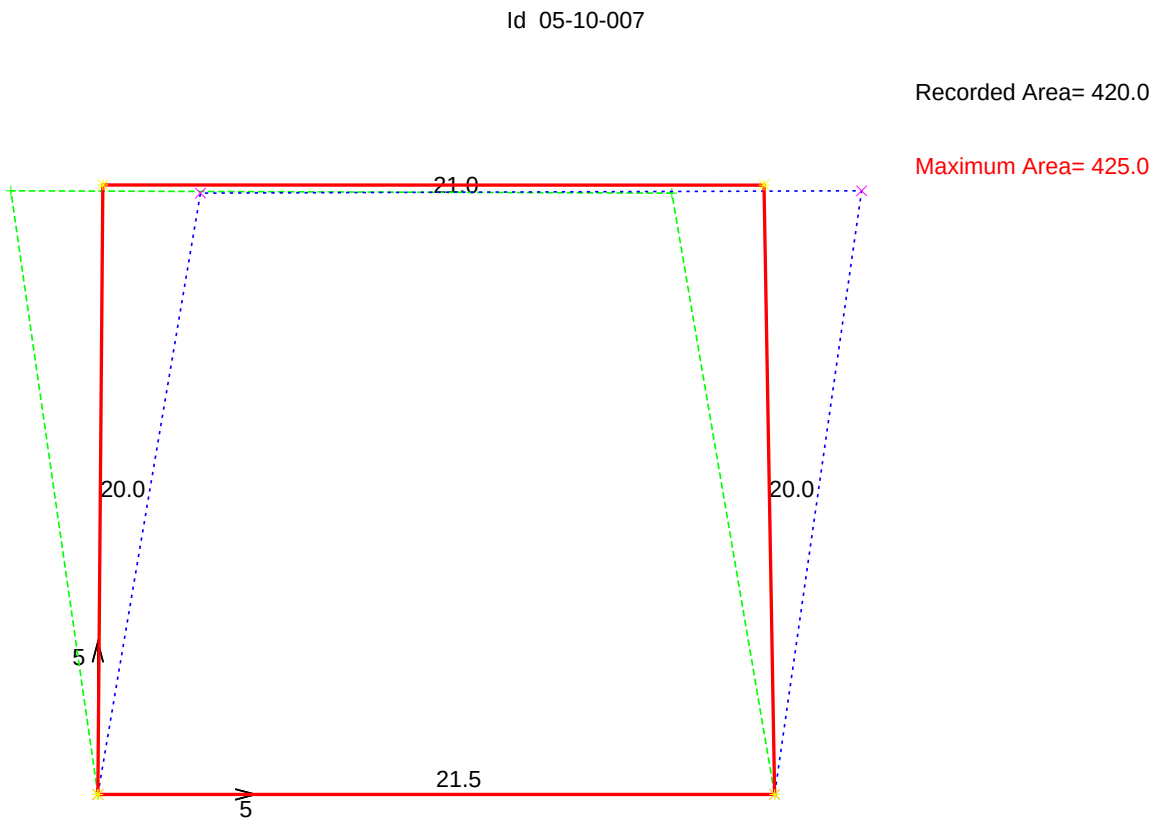
Id 05-10-006

Recorded Area= 905.0

Maximum Area=1000.4



Return to beginning (24)

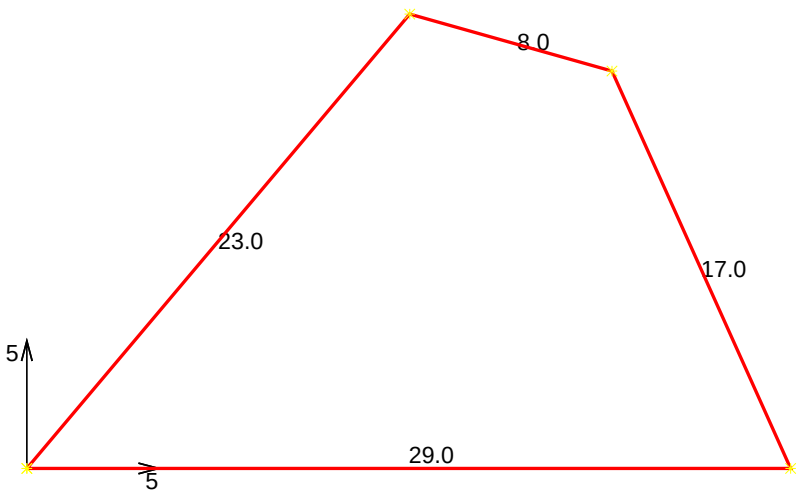


Return to beginning (24)

Id 05-11-002

Recorded Area= 338.0

Maximum Area= 310.7

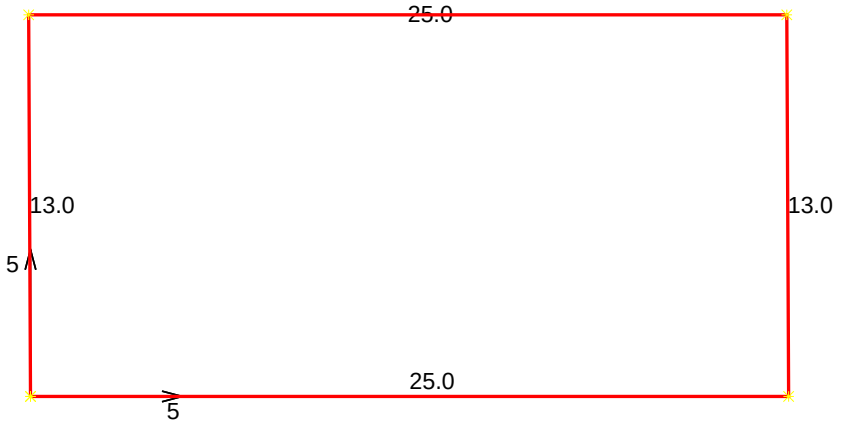


Return to beginning (24)

Id 05-11-003

Recorded Area= 450.0

Maximum Area= 325.0

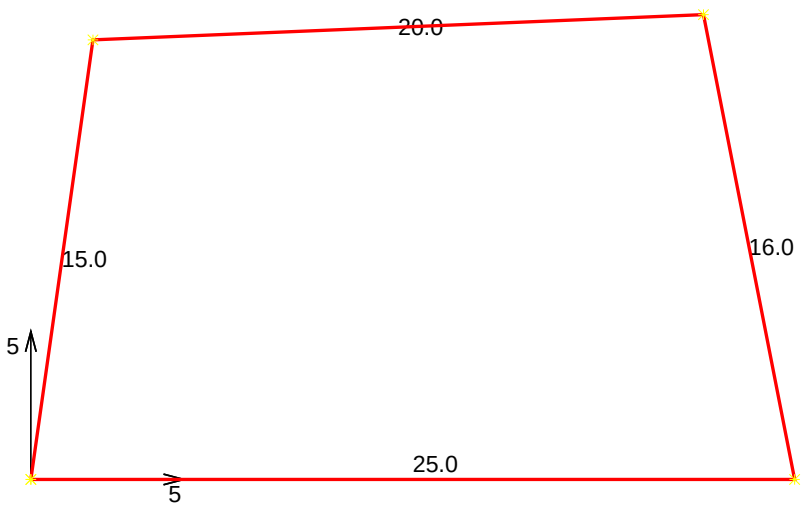


Return to beginning (24)

Id 05-12-003

Recorded Area= 345.0

Maximum Area= 344.1

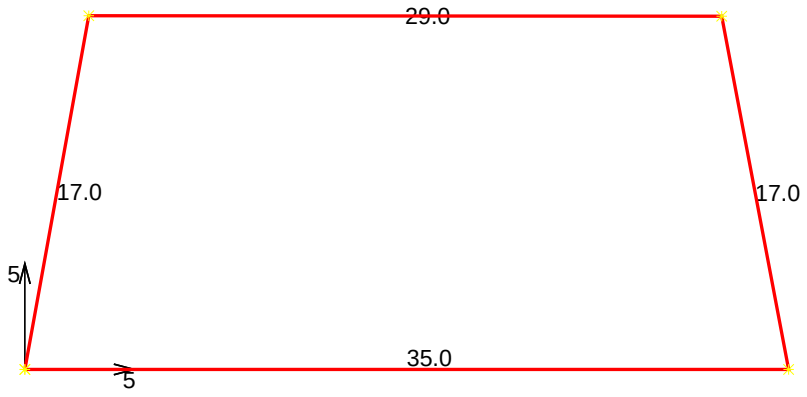


Return to beginning (24)

Id 05-12-004

Recorded Area= 544.0

Maximum Area= 535.5

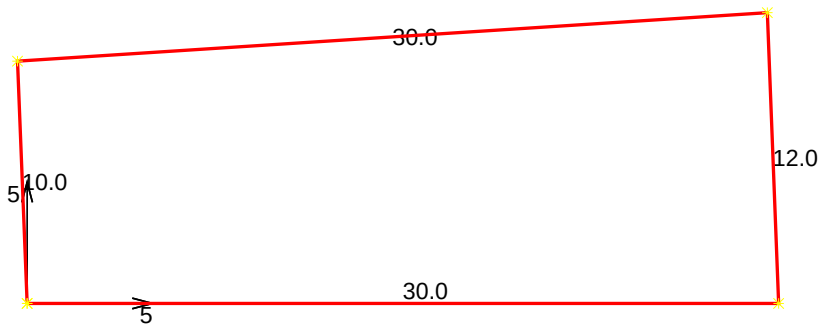


Return to beginning (24)

Id 05-12-005

Recorded Area= 330.0

Maximum Area= 329.8

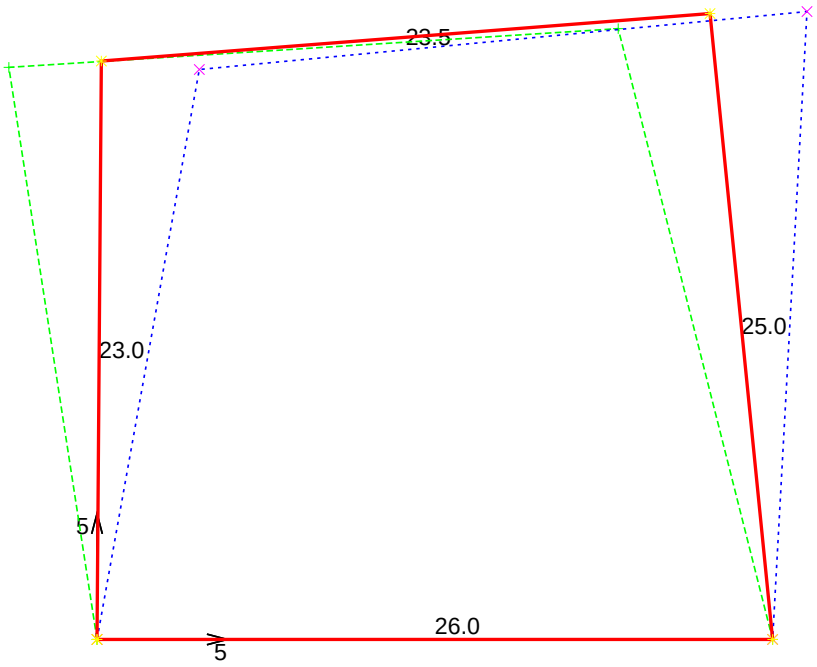


Return to beginning (24)

Id 05-13-007

Recorded Area= 585.0

Maximum Area= 592.7

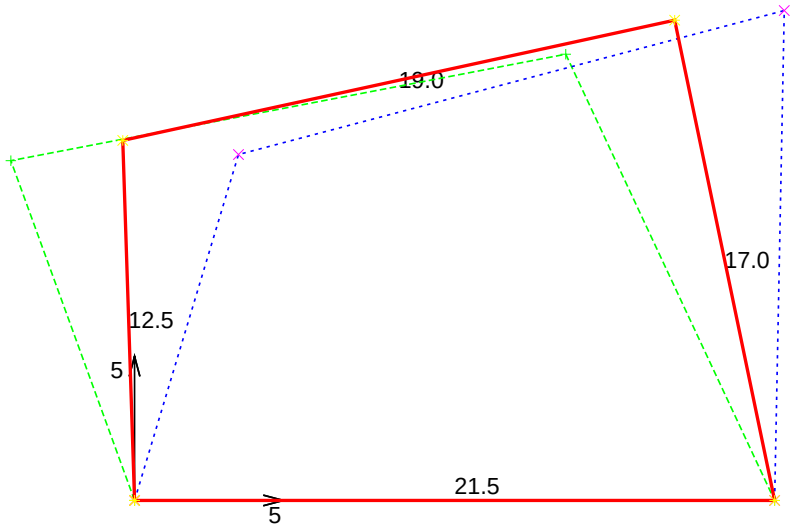


Return to beginning (24)

Id 05-14-003

Recorded Area= 284.0

Maximum Area= 295.8

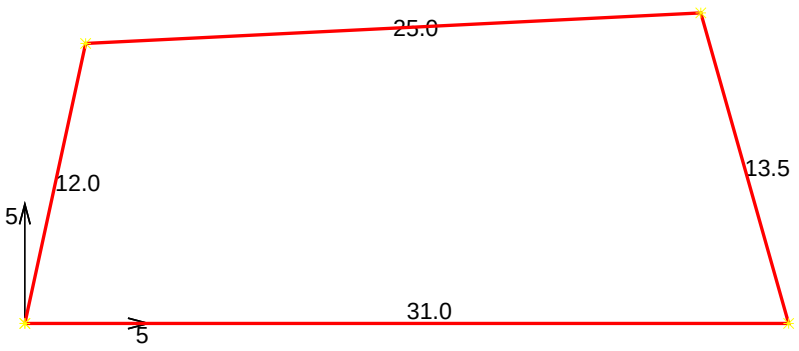


Return to beginning (24)

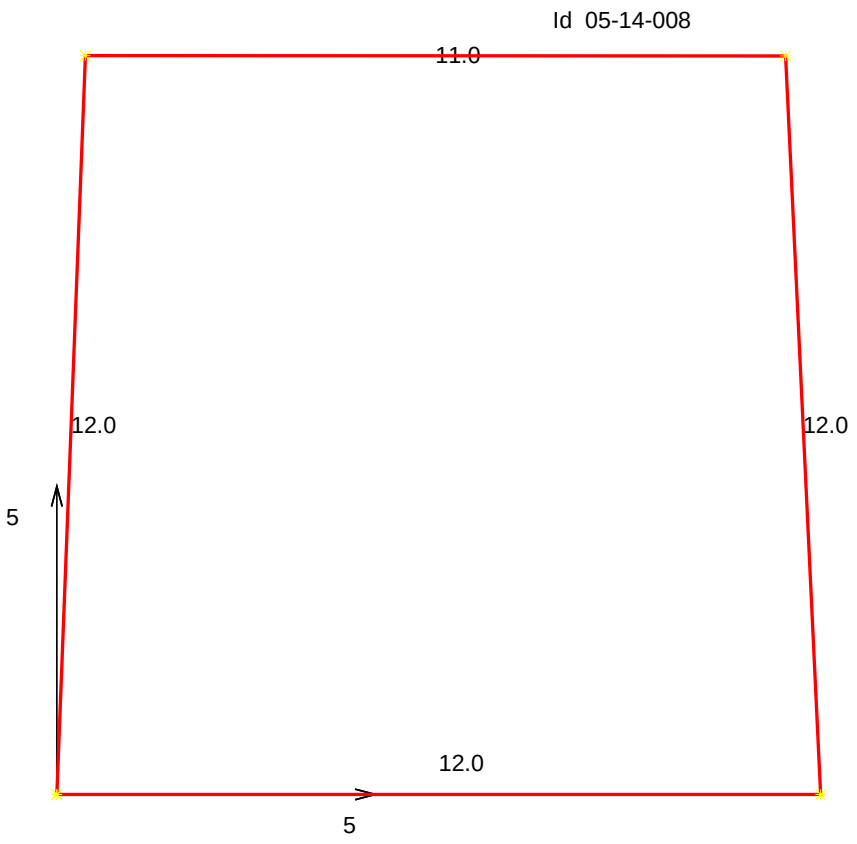
Id 05-14-007

Recorded Area= 348.0

Maximum Area= 346.9



Return to beginning (24)



Recorded Area= 217.0

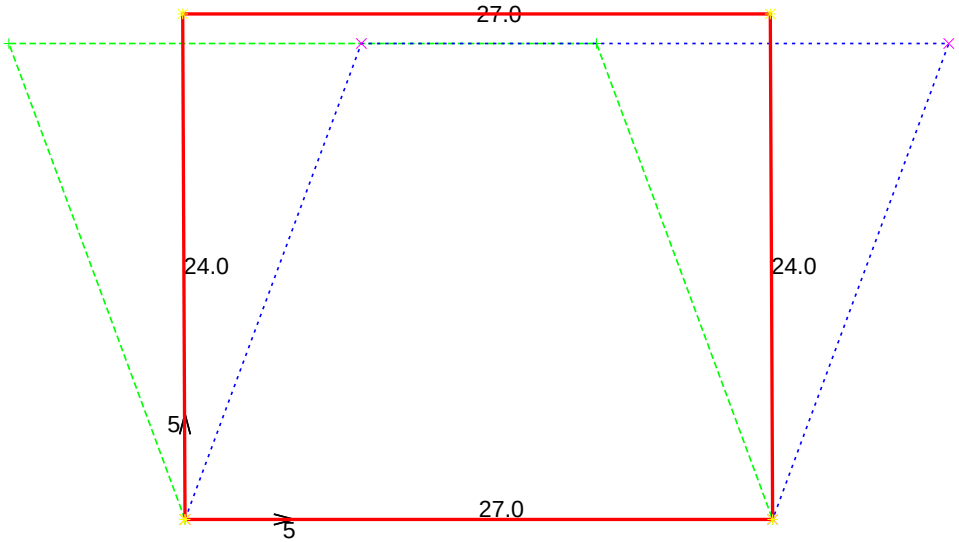
Maximum Area= 137.9

Return to beginning (24)

Id 05-14-010

Recorded Area= 610.0

Maximum Area= 648.0

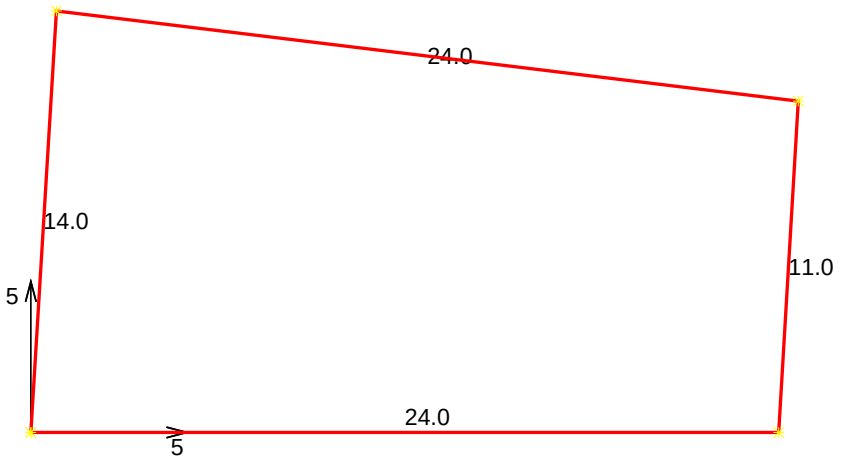


Return to beginning (24)

Id 05-15-001

Recorded Area= 300.0

Maximum Area= 299.4

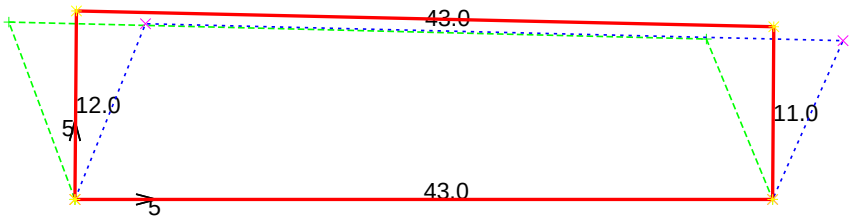


Return to beginning (24)

Id 05-16-001

Recorded Area= 460.0

Maximum Area= 494.5

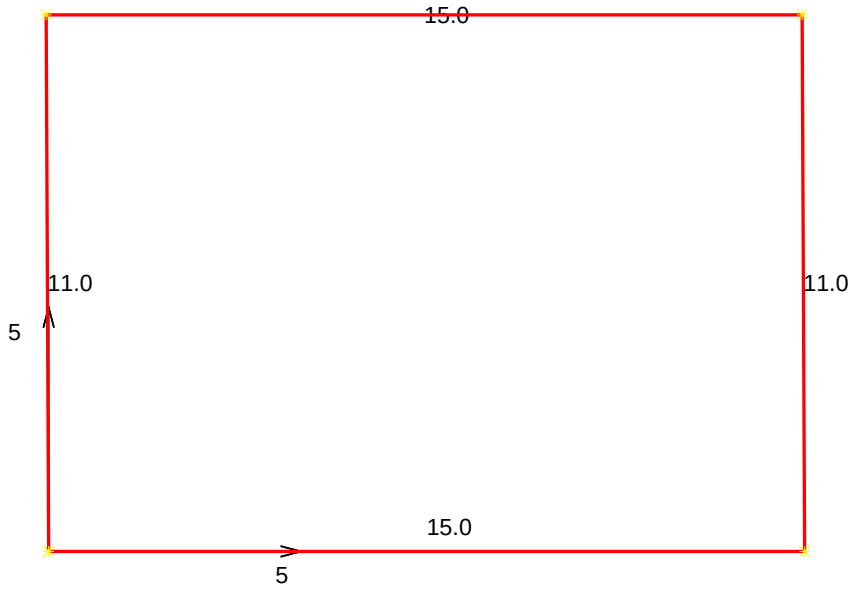


Return to beginning (24)

Id 05-16-002

Recorded Area= 169.0

Maximum Area= 165.0

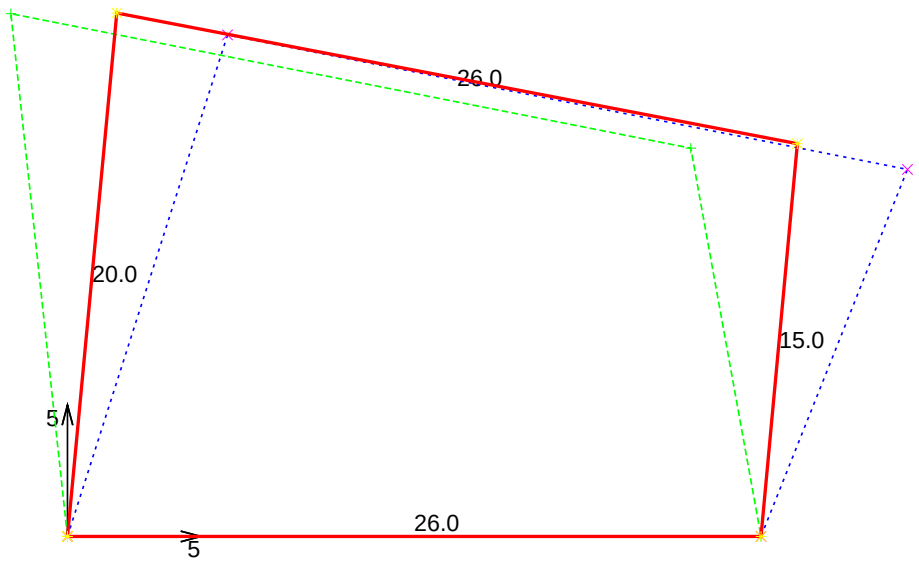


Return to beginning (24)

Id 05-16-003

Recorded Area= 440.0

Maximum Area= 452.9

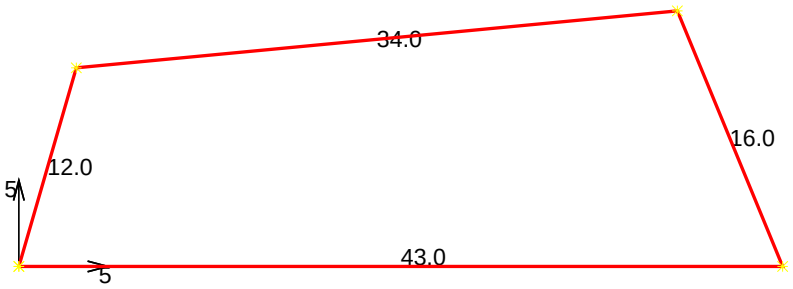


Return to beginning (25)

Id 05-16-005

Recorded Area= 582.0

Maximum Area= 509.7

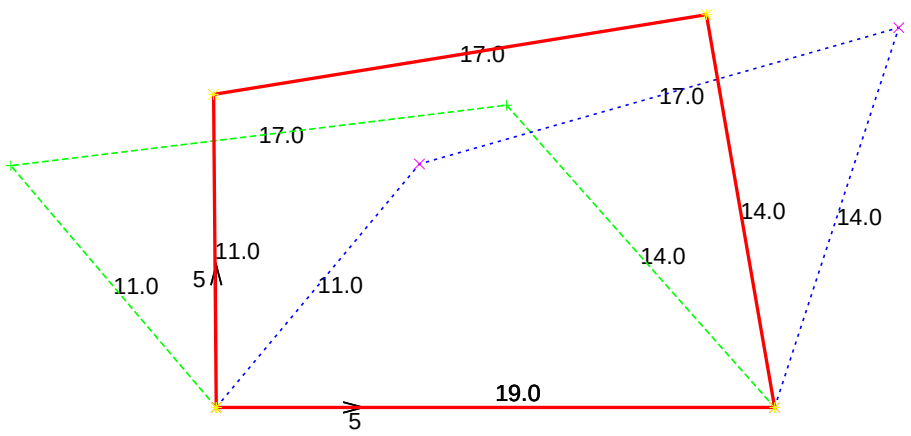


Return to beginning (25)

Id 05-16-007

Recorded Area= 180.0

Maximum Area= 223.5

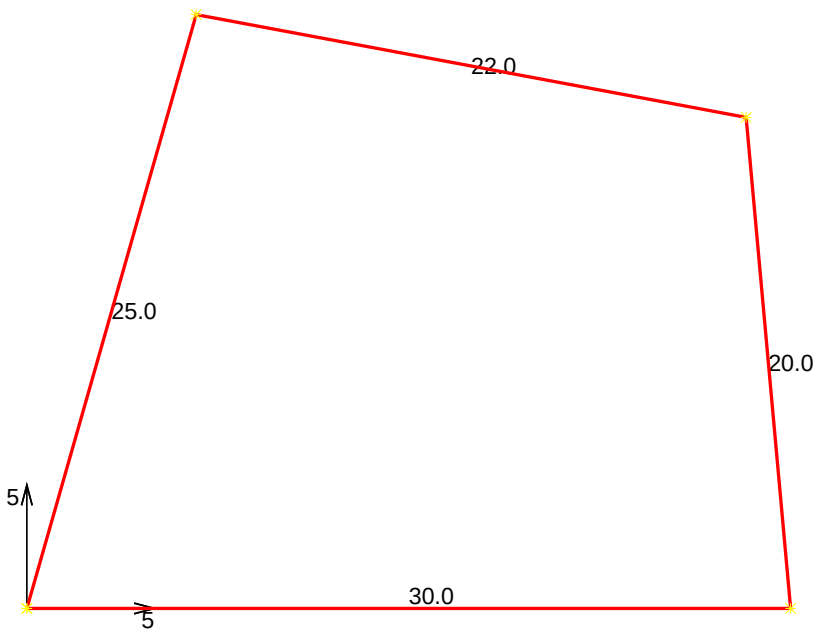


Return to beginning (25)

Id 05-18-006

Recorded Area= 586.0

Maximum Area= 573.0

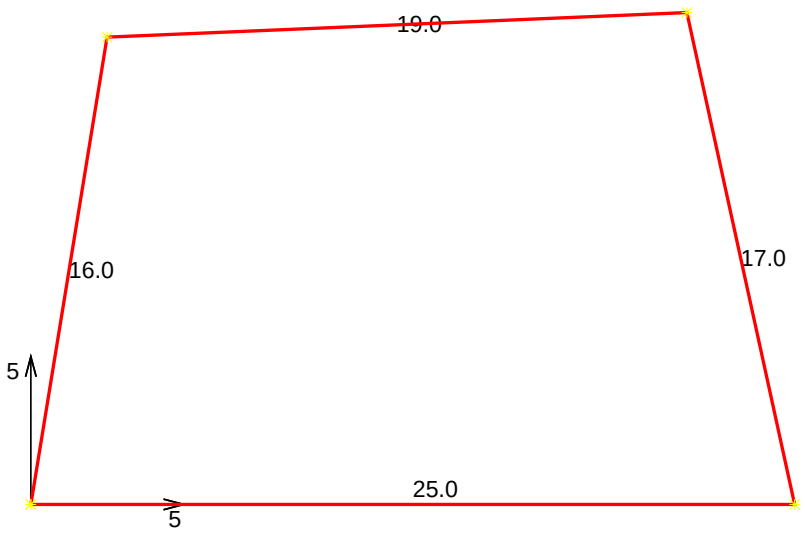


Return to beginning (25)

Id 05-18-007

Recorded Area= 470.0

Maximum Area= 356.9

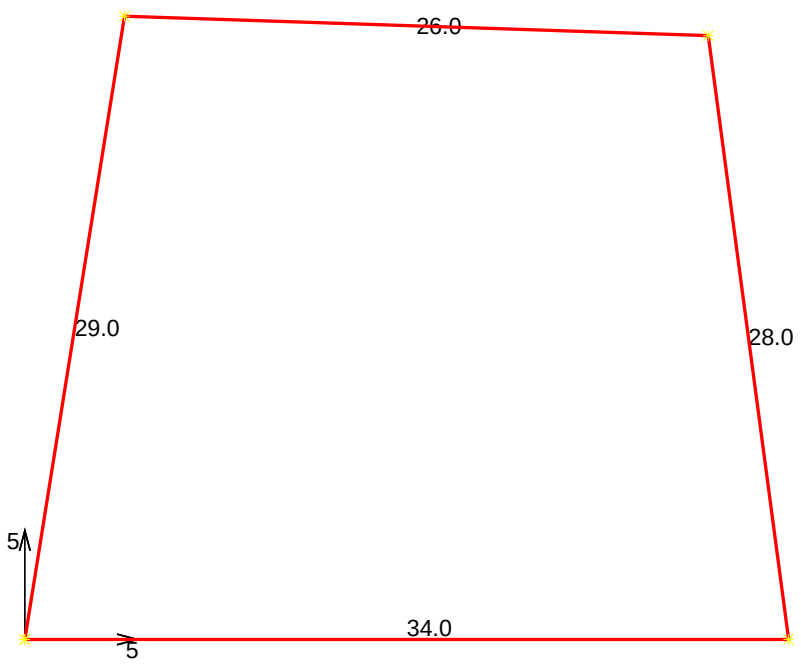


Return to beginning (25)

Id 05-19-002

Recorded Area= 850.0

Maximum Area= 846.4

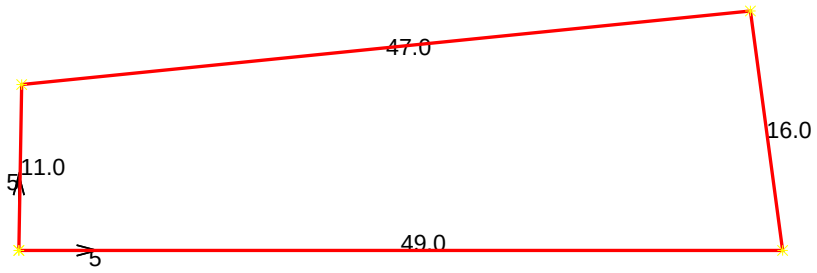


Return to beginning (25)

Id 05-20-001

Recorded Area= 753.0

Maximum Area= 645.3

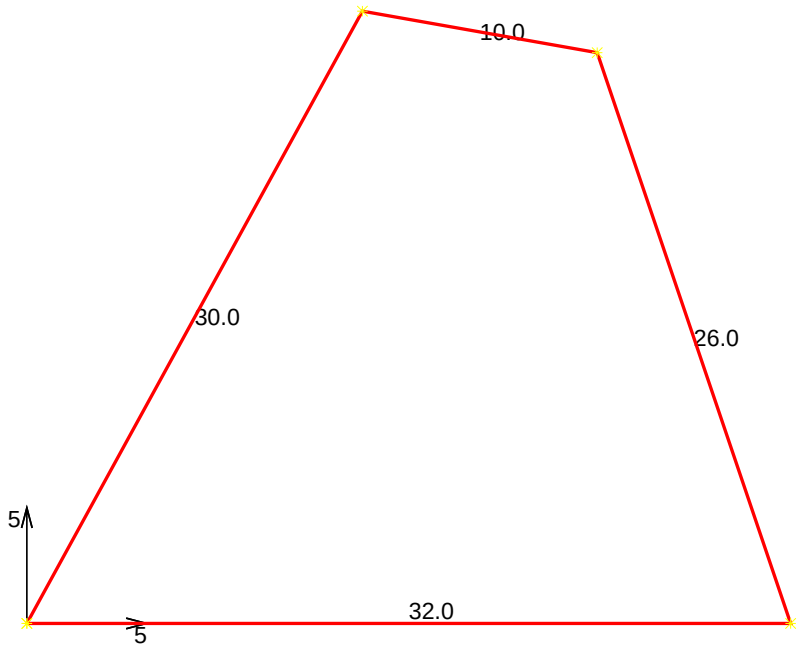


Return to beginning (25)

Id 05-21-002

Recorded Area= 588.0

Maximum Area= 538.3

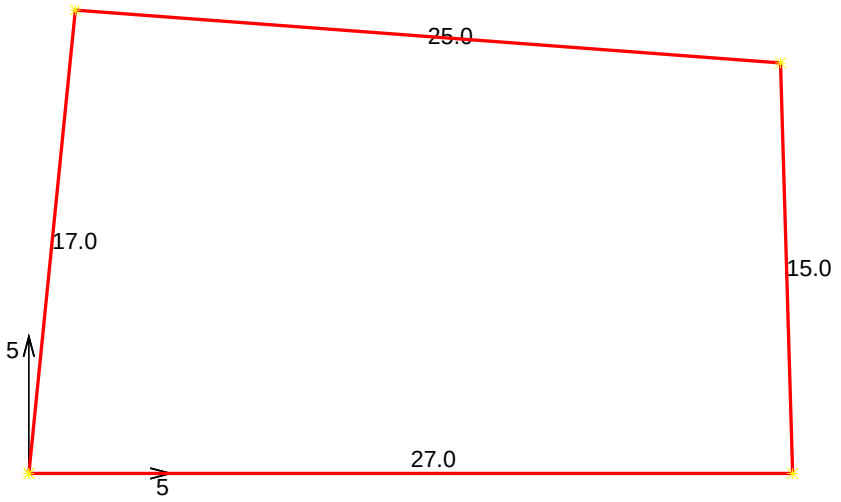


Return to beginning (25)

Id 05-21-004

Recorded Area= 420.0

Maximum Area= 414.9

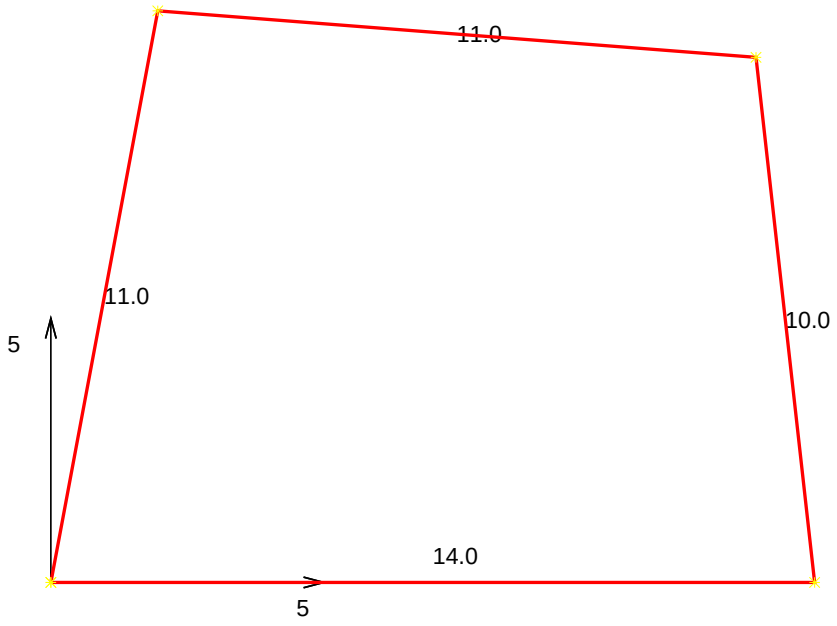


Return to beginning (25)

Id 05-22-002

Recorded Area= 130.0

Maximum Area= 129.8

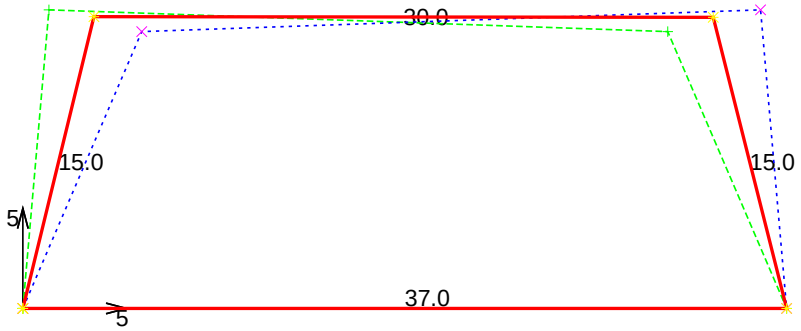


Return to beginning (25)

Id 05-23-002

Recorded Area= 481.0

Maximum Area= 488.6

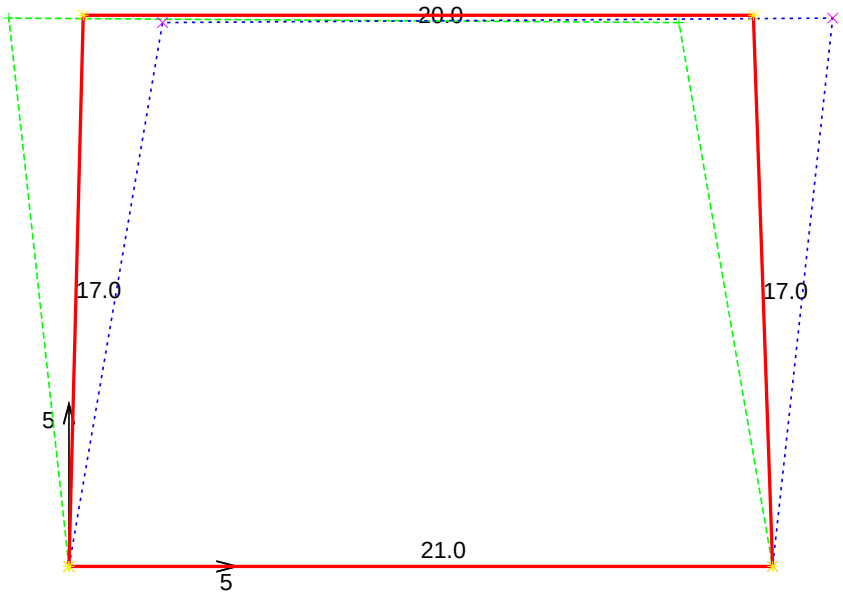


Return to beginning (25)

Id 05-23-003

Recorded Area= 345.0

Maximum Area= 348.3

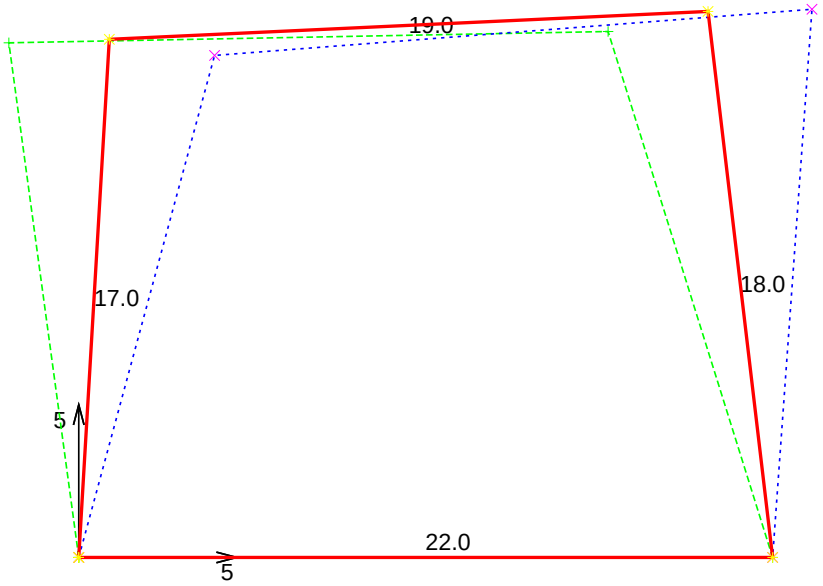


Return to beginning (25)

Id 05-23-004

Recorded Area= 350.0

Maximum Area= 357.3

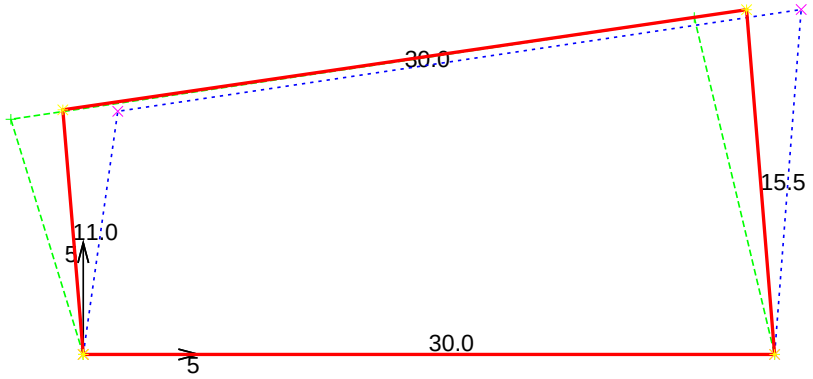


Return to beginning (25)

Id 05-23-005

Recorded Area= 390.0

Maximum Area= 396.4

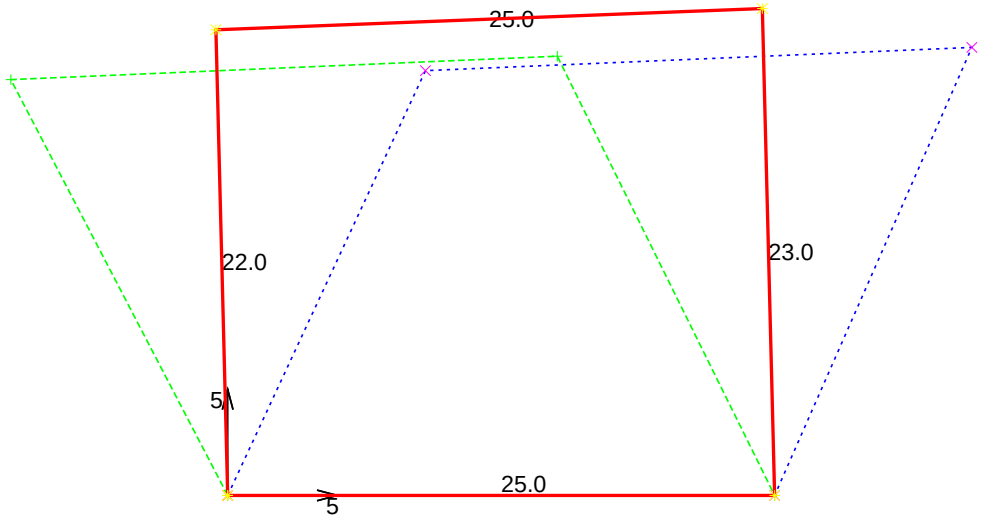


Return to beginning (25)

Id 05-23-006

Recorded Area= 510.0

Maximum Area= 562.4

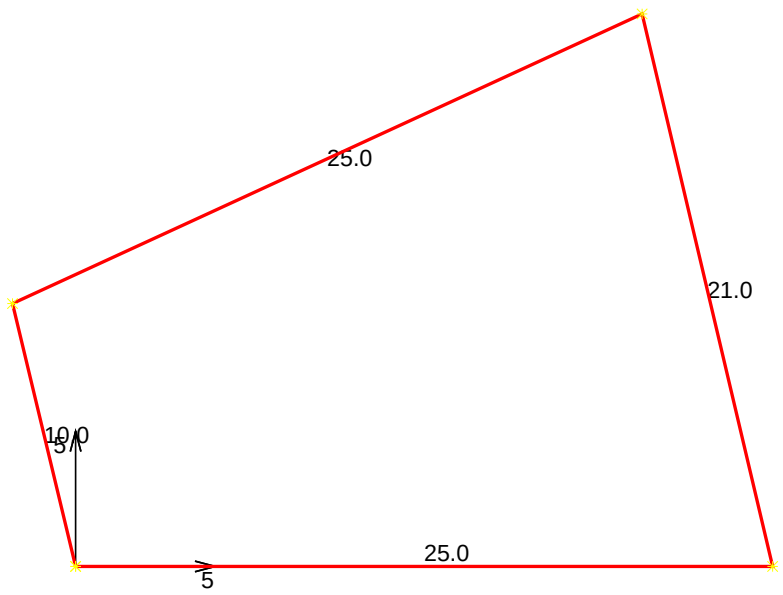


Return to beginning (25)

Id 05-23-007

Recorded Area= 405.0

Maximum Area= 378.0

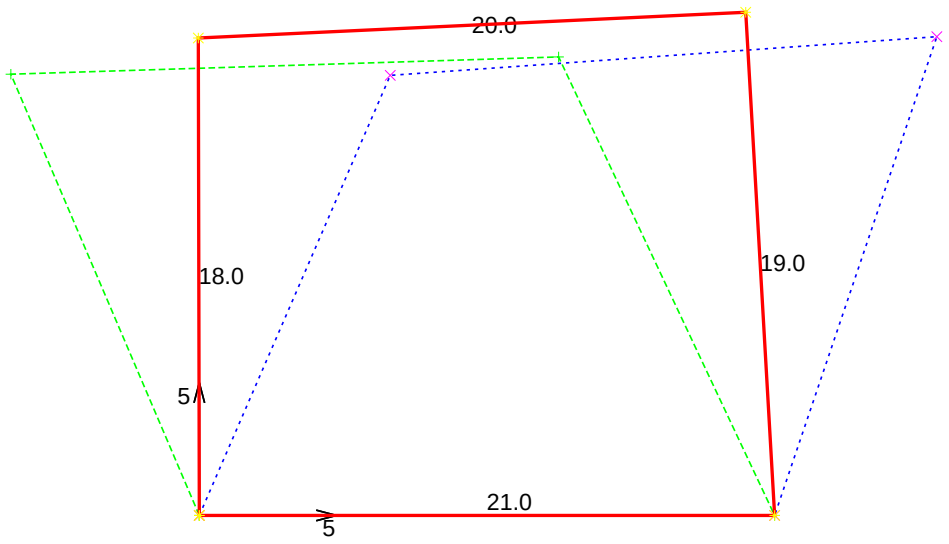


Return to beginning (25)

Id 05-23-008

Recorded Area= 350.0

Maximum Area= 379.0

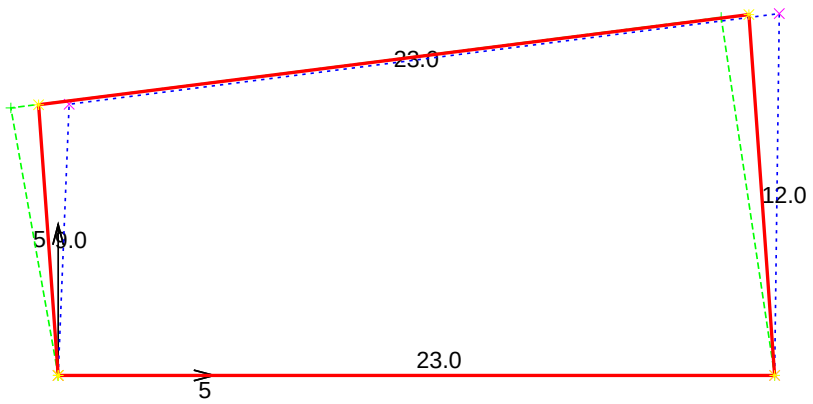


Return to beginning (26)

Id 05-24-001

Recorded Area= 240.0

Maximum Area= 241.0

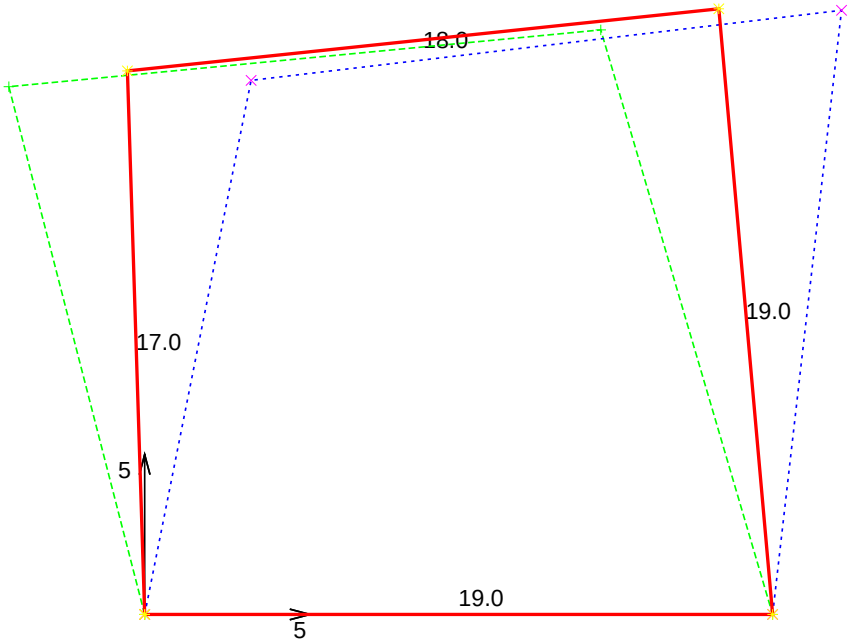


Return to beginning (26)

Id 05-24-003

Recorded Area= 325.0

Maximum Area= 332.4

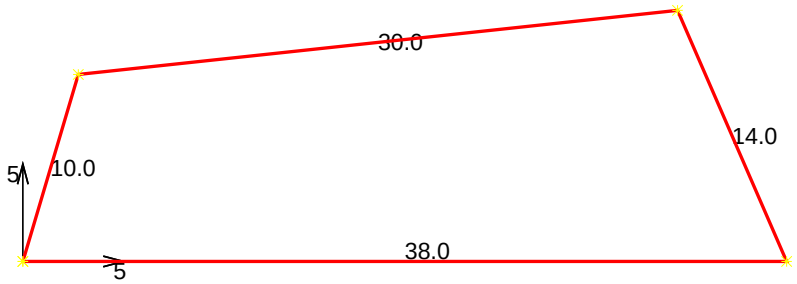


Return to beginning (26)

Id 05-25-002

Recorded Area= 408.0

Maximum Area= 384.0

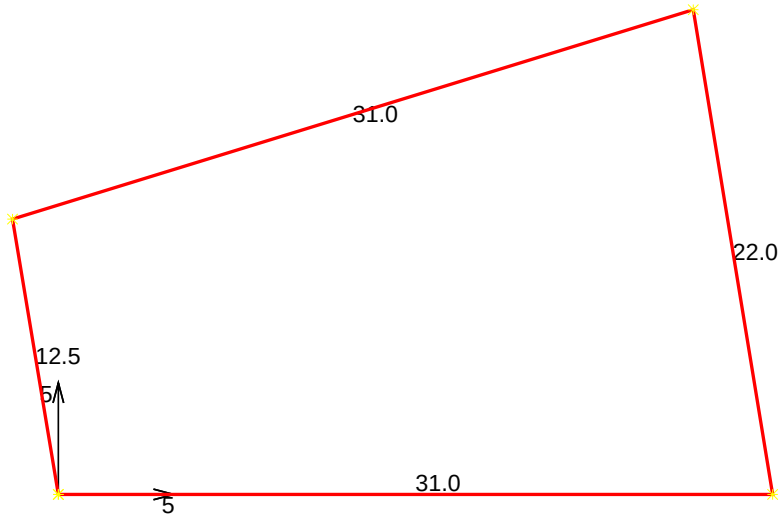


Return to beginning (26)

Id 05-25-007

Recorded Area= 571.0

Maximum Area= 528.4

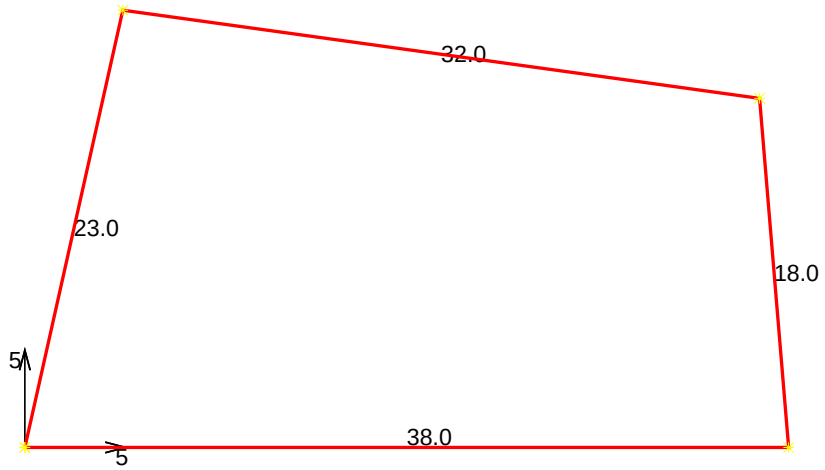


Return to beginning (26)

Id 05-26-001

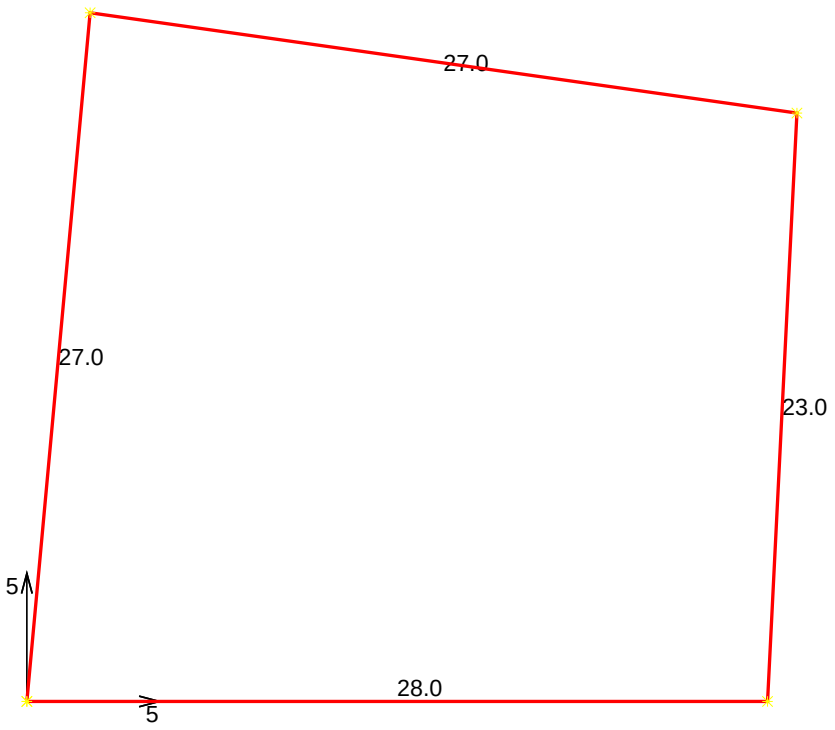
Recorded Area= 736.0

Maximum Area= 708.0



Return to beginning (26)

Id 05-26-002



Recorded Area= 710.0

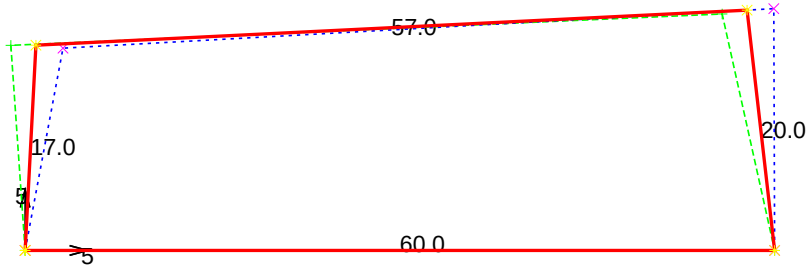
Maximum Area= 685.5

Return to beginning (26)

Id 05-27-001

Recorded Area=1071.0

Maximum Area=1078.3

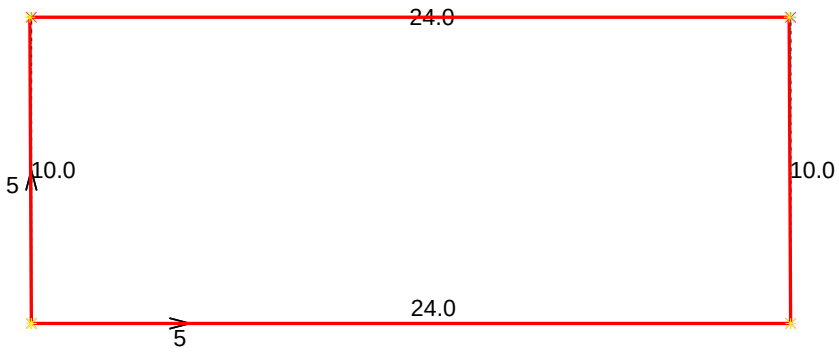


Return to beginning (26)

Id 05-27-004

Recorded Area= 240.0

Maximum Area= 240.0

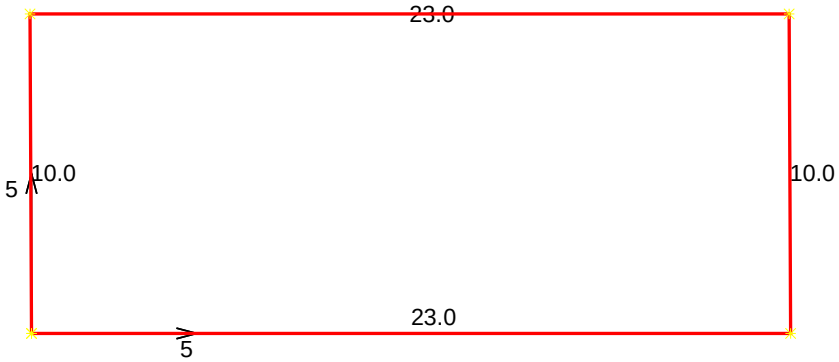


Return to beginning (26)

Id 05-27-005

Recorded Area= 296.0

Maximum Area= 230.0

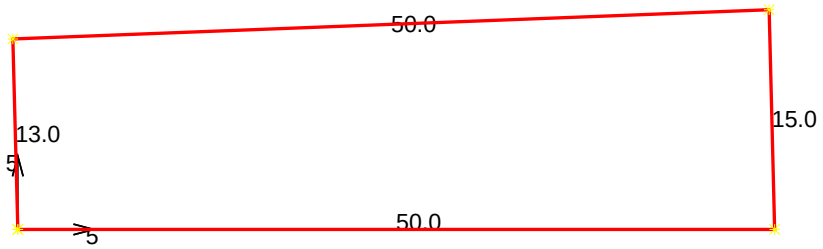


Return to beginning (26)

Id 05-28-001

Recorded Area= 700.0

Maximum Area= 699.9

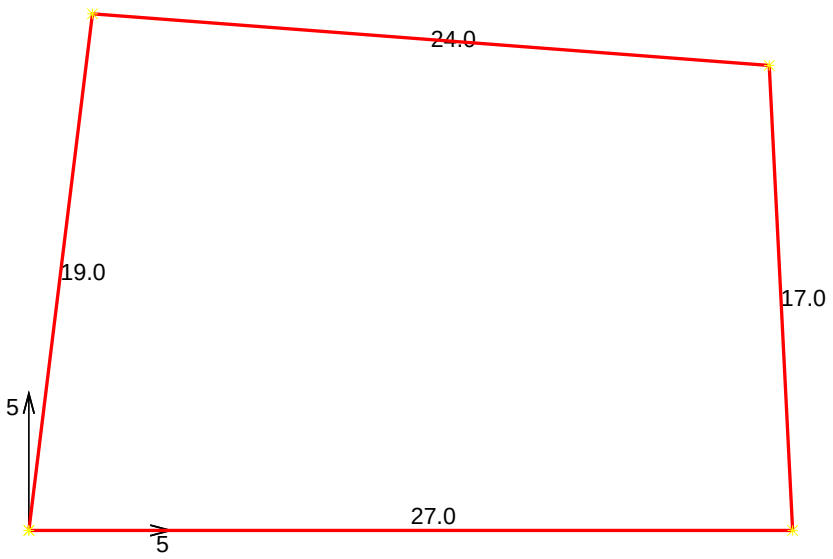


Return to beginning (26)

Id 05-28-003

Recorded Area= 470.0

Maximum Area= 457.1

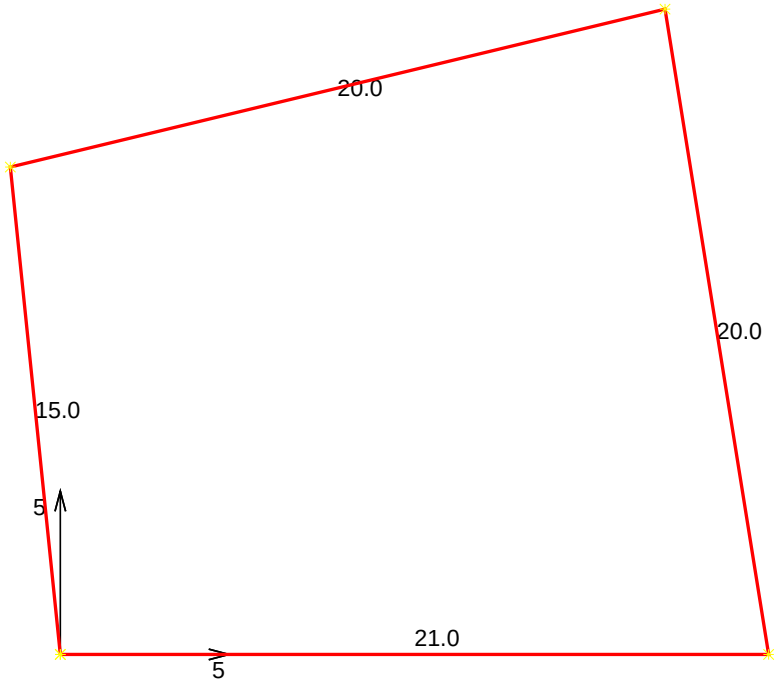


Return to beginning (26)

Id 05-29-002

Recorded Area= 360.0

Maximum Area= 355.9

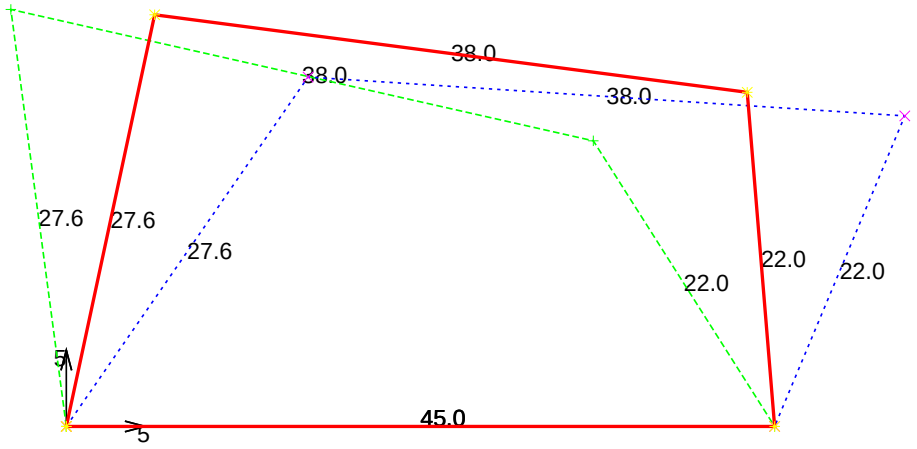


Return to beginning (26)

Id 05-29-003

Recorded Area= 913.0

Maximum Area=1016.6

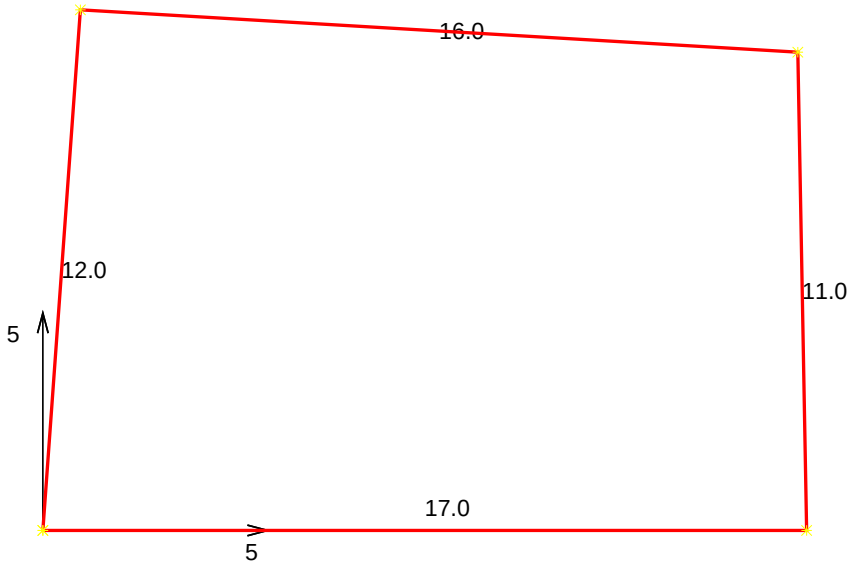


Return to beginning (26)

Id 05-29-005

Recorded Area= 192.0

Maximum Area= 189.5

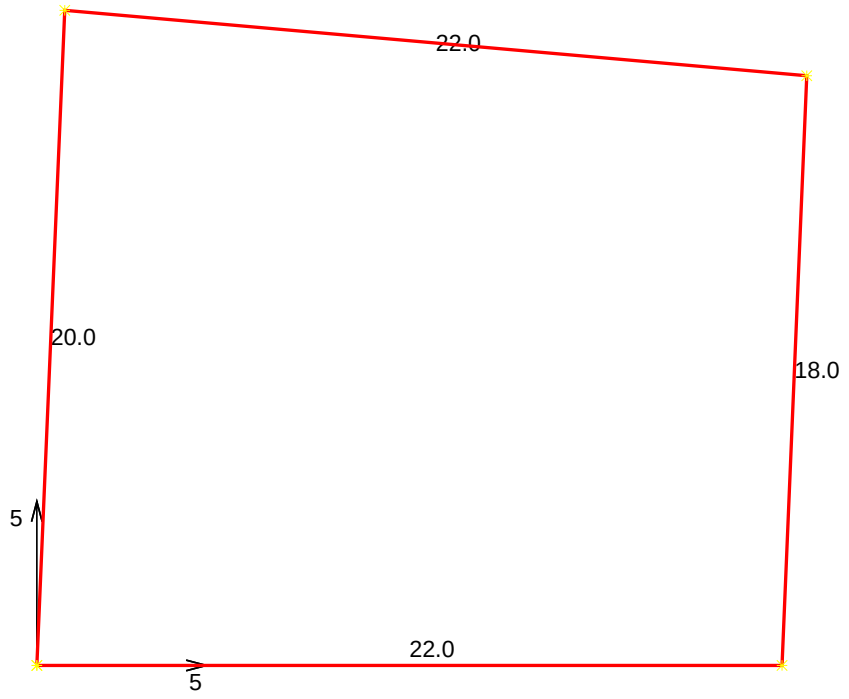


Return to beginning (26)

Id 05-29-006

Recorded Area= 418.0

Maximum Area= 417.6

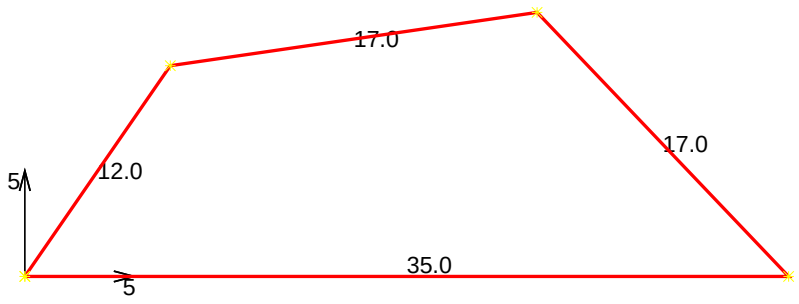


Return to beginning (26)

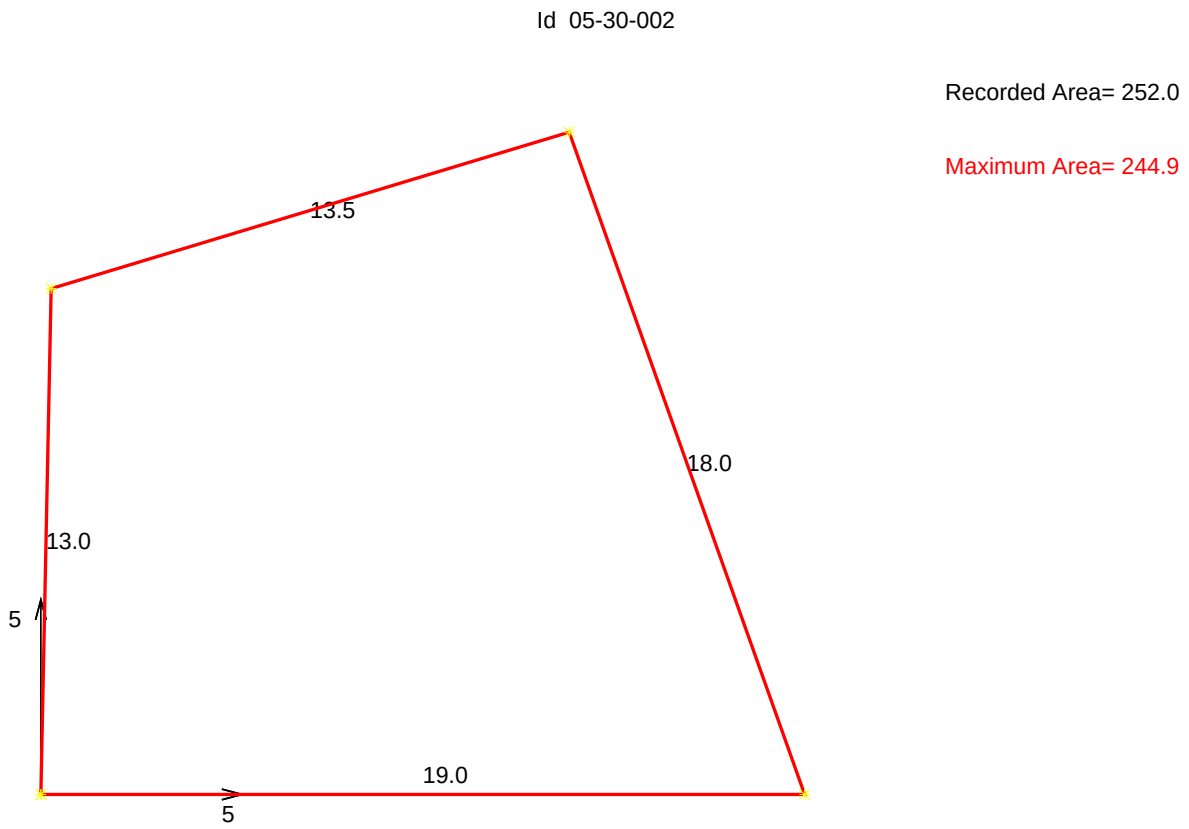
Id 05-29-007

Recorded Area= 370.0

Maximum Area= 294.2



Return to beginning (27)

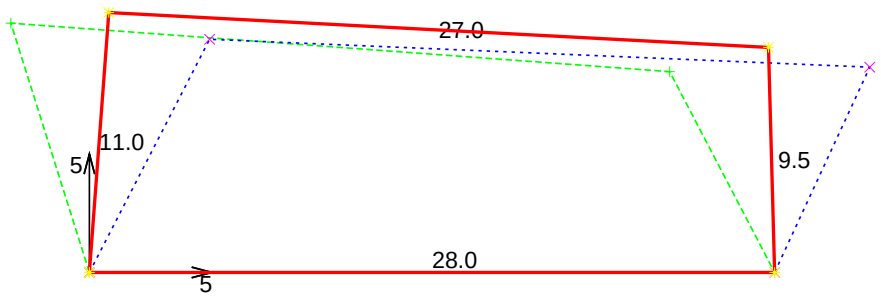


Return to beginning (27)

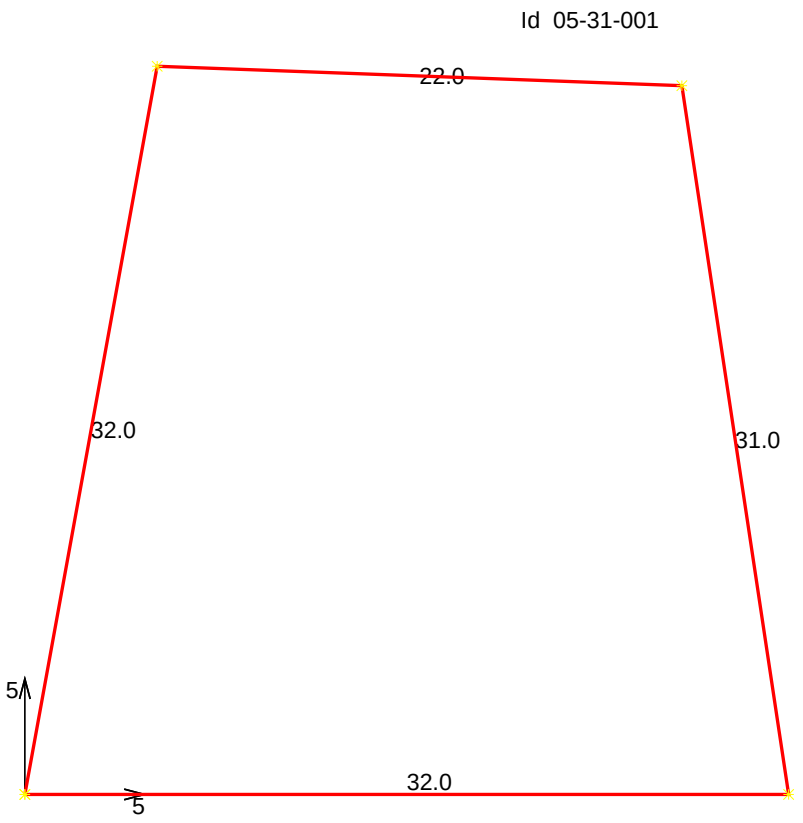
Id 05-30-003

Recorded Area= 257.0

Maximum Area= 281.4



Return to beginning (27)



Recorded Area= 880.0

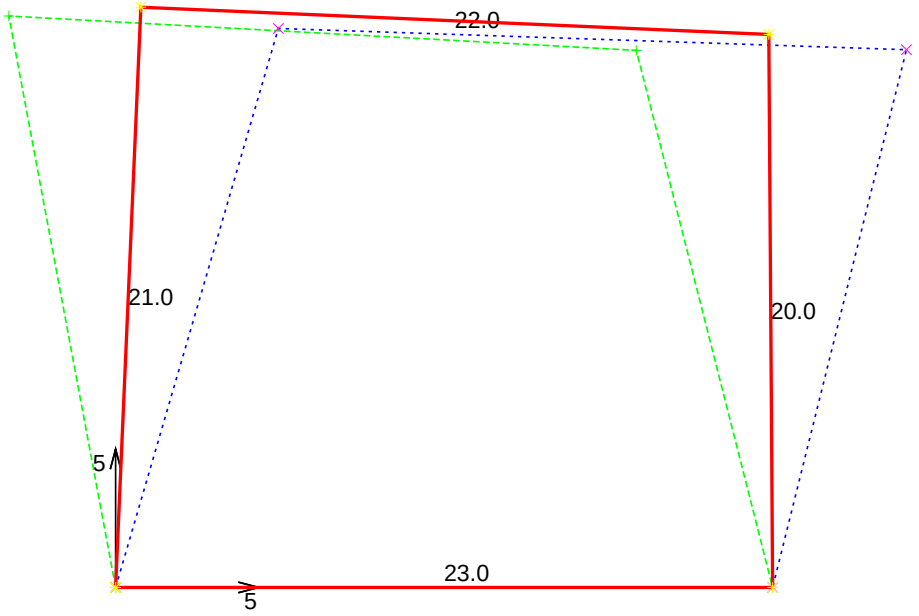
Maximum Area= 839.6

Return to beginning (27)

Id 05-31-003

Recorded Area= 448.0

Maximum Area= 461.0

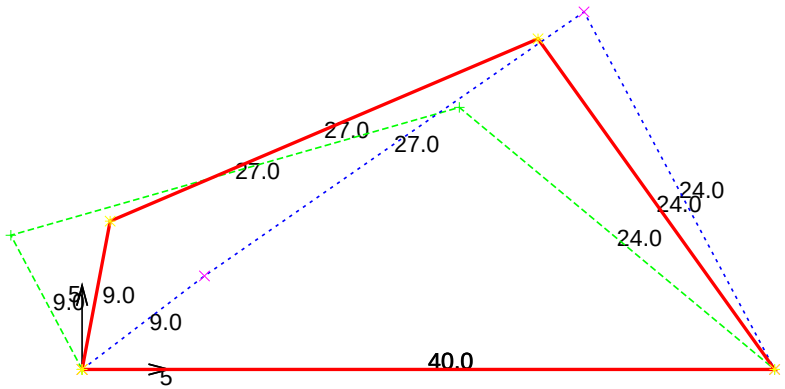


Return to beginning (27)

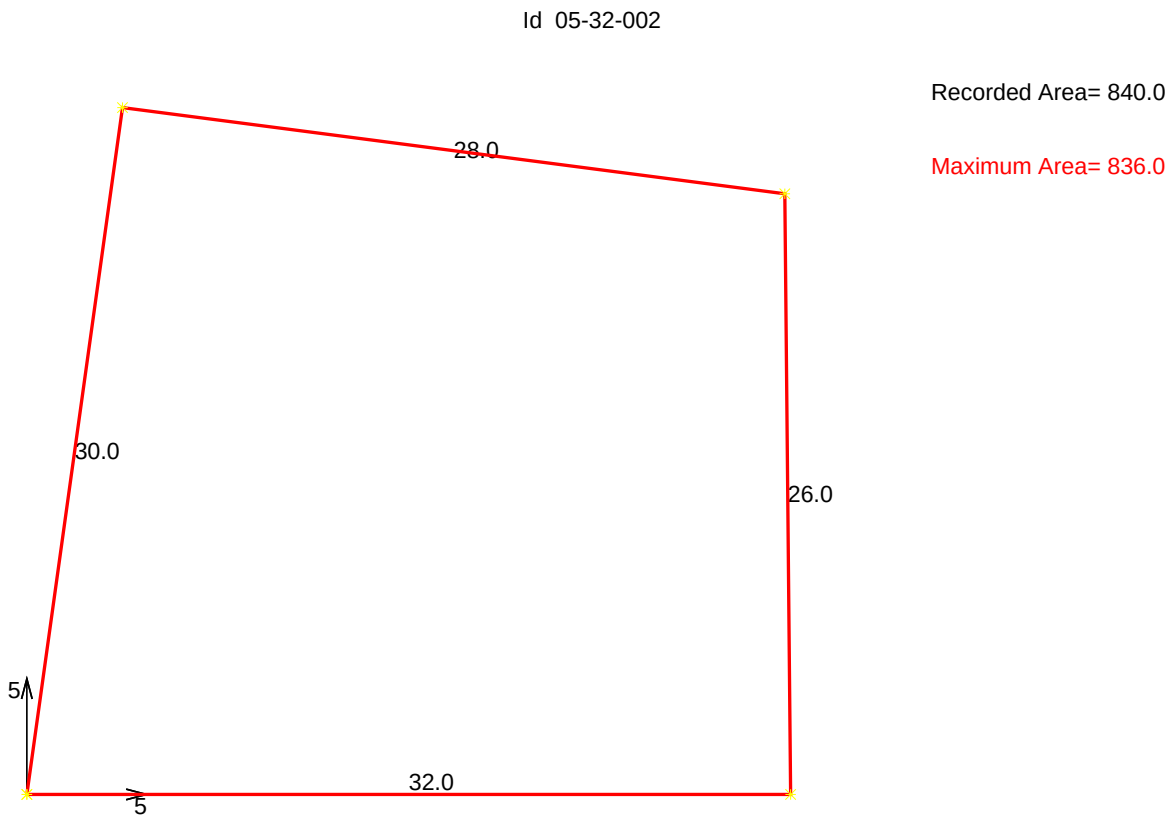
Id 05-31-004

Recorded Area= 432.0

Maximum Area= 495.2



Return to beginning (27)

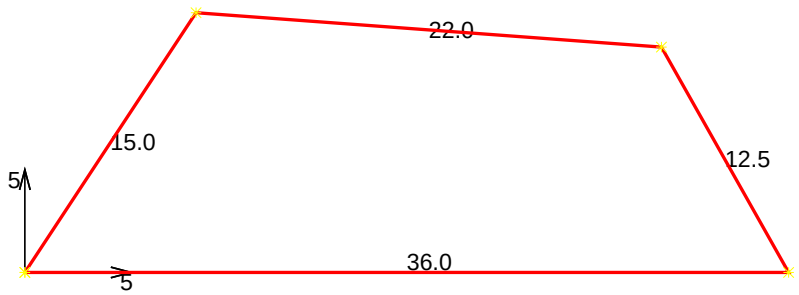


Return to beginning (27)

Id 05-32-004

Recorded Area= 388.0

Maximum Area= 342.9

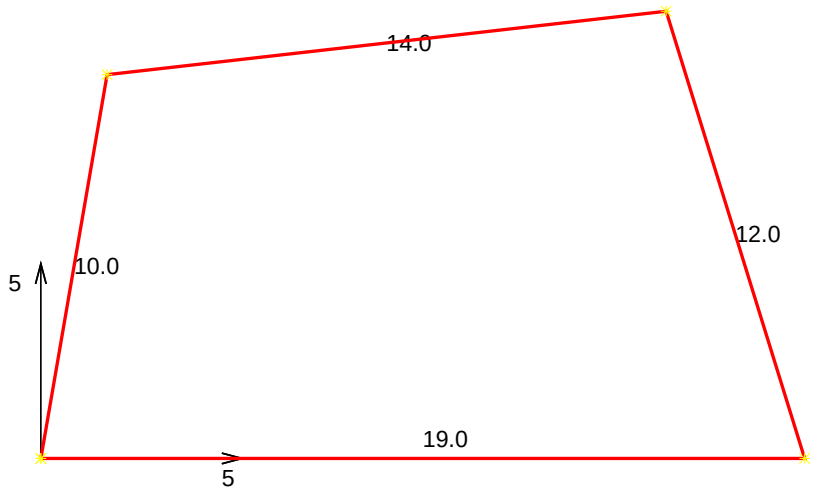


Return to beginning (27)

Id 05-32-005

Recorded Area= 198.0

Maximum Area= 176.4

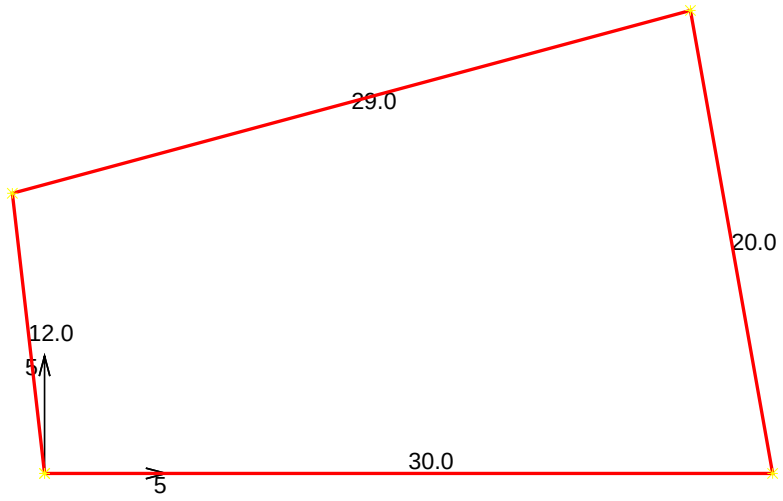


Return to beginning (27)

Id 05-33-001

Recorded Area= 471.0

Maximum Area= 467.4

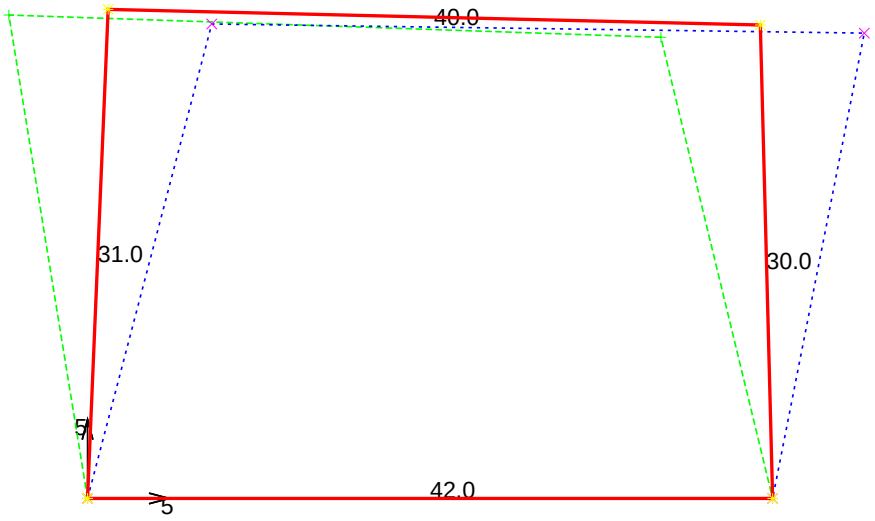


Return to beginning (27)

Id 05-33-004

Recorded Area=1222.0

Maximum Area=1249.7

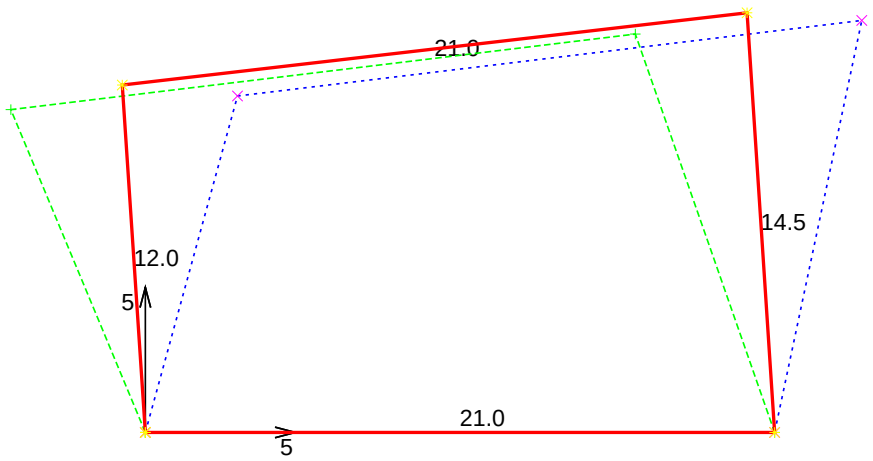


Return to beginning (27)

Id 05-34-001

Recorded Area= 266.0

Maximum Area= 277.8

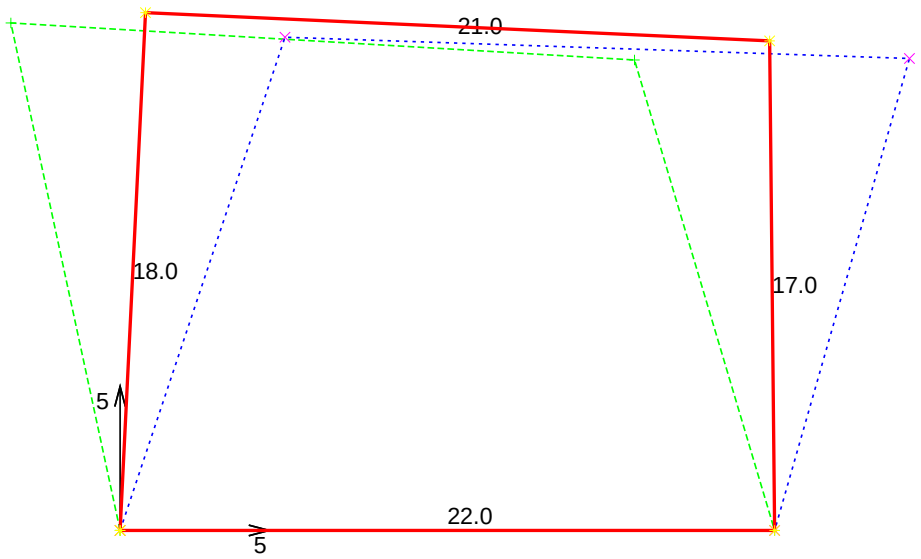


Return to beginning (27)

Id 05-34-002

Recorded Area= 362.0

Maximum Area= 376.0

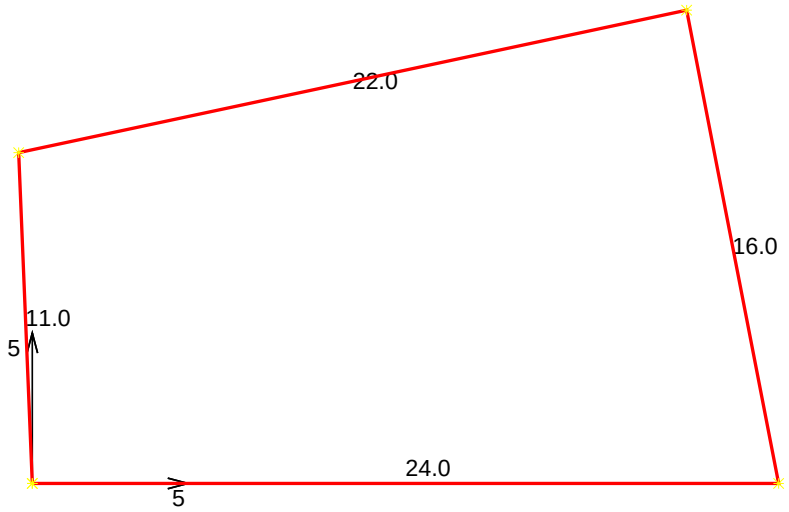


Return to beginning (27)

Id 05-34-006

Recorded Area= 310.0

Maximum Area= 307.8

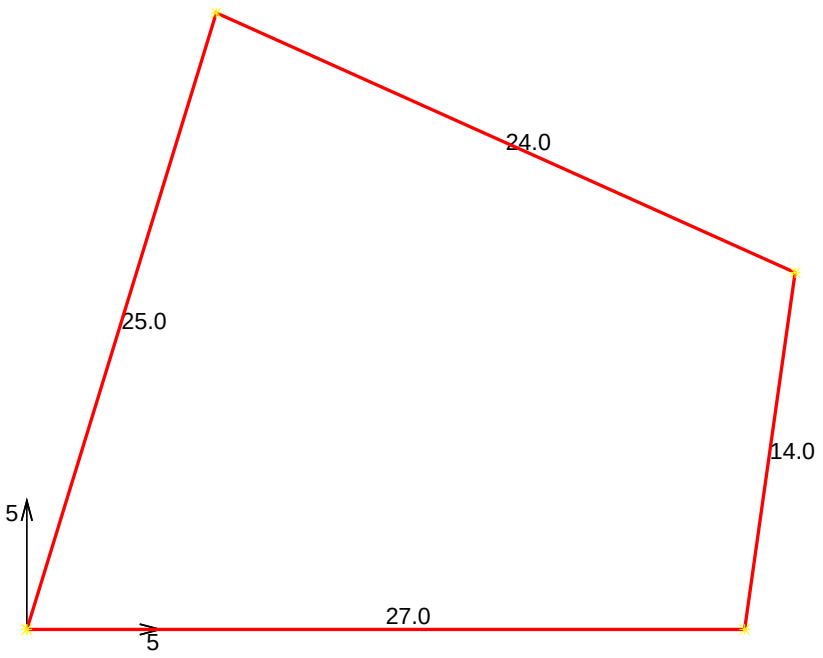


Return to beginning (27)

Id 05-34-008

Recorded Area= 507.0

Maximum Area= 484.1

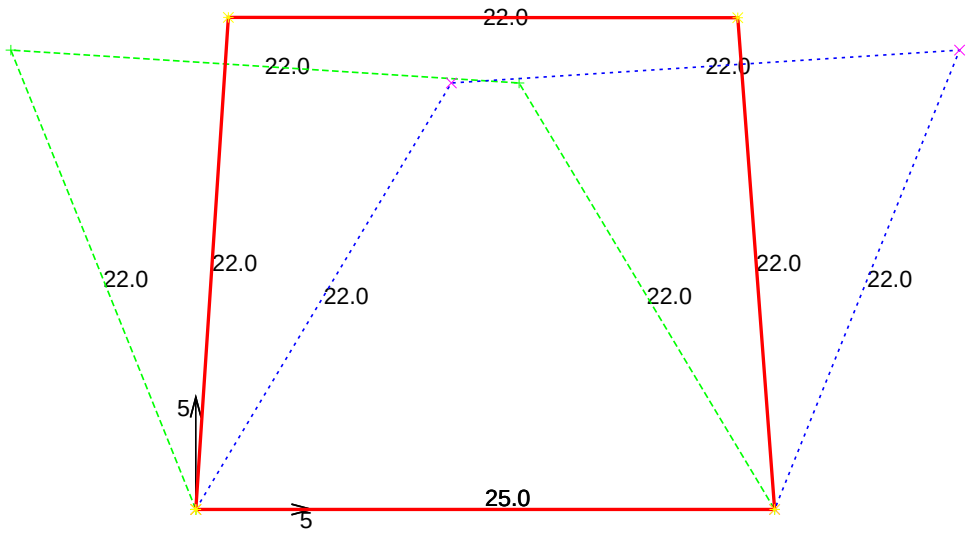


Return to beginning (27)

Id 05-35-001

Recorded Area= 457.0

Maximum Area= 515.8

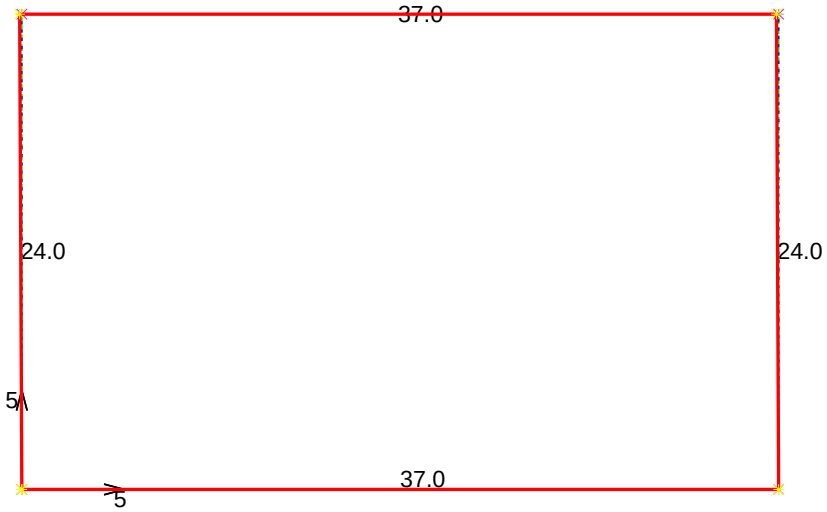


Return to beginning (27)

Id 05-35-002

Recorded Area= 888.0

Maximum Area= 888.0

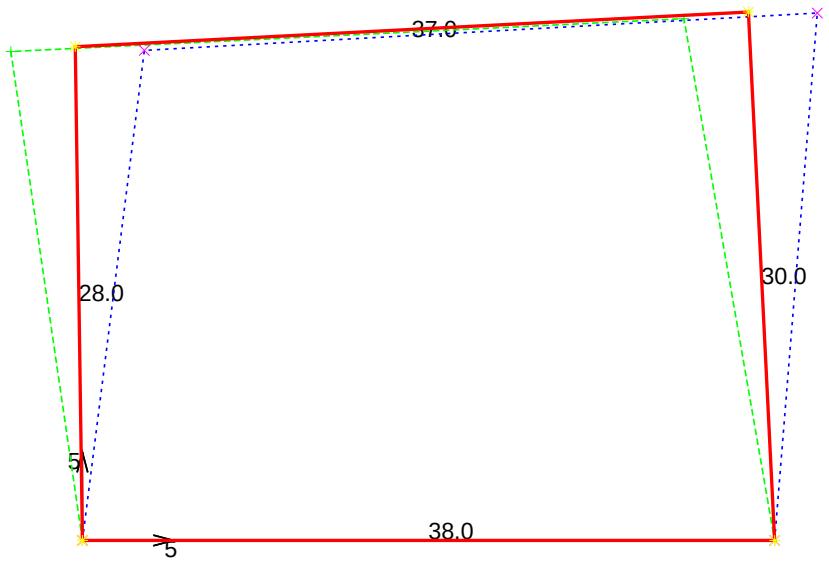


Return to beginning (28)

Id 05-36-002

Recorded Area=1078.0

Maximum Area=1087.0

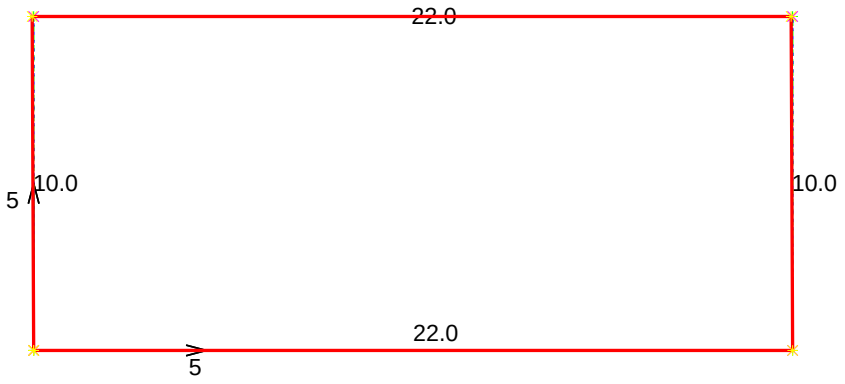


Return to beginning (28)

Id 05-36-004

Recorded Area= 220.0

Maximum Area= 220.0



Return to beginning (28)

A) Calculations to obtain equations (3)

A quadrilateral with registered codex area A_c and sidelengths a, b, c, d, is drawn in the coordinate plane x, y, in such a way that its vertices are $(0,0), (u,v), (w,z)$ and $(a,0)$; we assume side a be the biggest. The vertices $(0,0)$, $(a,0)$ are fixed and (u,v), (w,z) are unknown.
Using the Pythagorian theorem for the given coordinates and sidelengths, we obtain the following set of equations:

$$u^2 + v^2 = b^2, \tag{1}$$
$$(u-w)^2 + (v-z)^2 = c^2, \tag{2}$$
$$(w-a)^2 + z^2 = d^2, \tag{3}$$
$$2A_c = vw + z(a-u), \tag{4}$$

A) Calculations to obtain equations (3)

where A_c can be found by subdividing the quadrilateral into triangles and rectangles or by using the Surveyor's Formula since the vertices'coordinates are given.

Substituting (1) into (2) gives

$$2uw + 2vz - w^2 - z^2 = b^2 - c^2. \tag{5}$$

and adding (3) and (5)

$$w(a - u) - vz = M \ \text{ where } \ 2M = a^2 + c^2 - b^2 - d^2. \tag{6}$$

A) Calculations to obtain equations (3)

The above steps allow us to write the unknown coordinates (w, z) in terms of the unknown coordinates (u, v) by solving (4) and (6) to obtain

$$w = \frac{M(a-u) + 2A_c v}{(a-u)^2 + v^2} \quad \text{and} \quad z = \frac{2A_c(a-u) - Mv}{(a-u)^2 + v^2}. \tag{7}$$

Therefore we have reduced the problem of finding four unknowns u, v, w, z to finding only the unknowns u, v since equations (7) will give the values for w, z.

A) Calculations to obtain equations (3)

To simplify the calculations we call the denominator in (7),
$D = (a-u)^2 + v^2 = a^2 + b^2 - 2au$, the last identity obtained using (1).
Now we proceed to substitute (7) into (3):

$$
\begin{aligned}
d^2 &= \left(\frac{M(a-u)+2A_c v}{D} - a\right)^2 + \left(\frac{2A_c(a-u)-Mv}{D}\right)^2 \\
&= \frac{M^2(a-u)^2 + 4A_c^2 v^2 + 4A_c M(a-u)v}{D^2} - 2a\frac{M(a-u)+2A_c v}{D} \\
&+ a^2 + \frac{4A_c^2(a-u)^2 + M^2 v^2 - 4A_c M(a-u)v}{D^2} \\
&= a^2 - 2a\frac{M(a-u)+2A_c v}{D} + \frac{M^2(a-u)^2 + 4A_c^2 v^2 + M^2 v^2 + 4A_c^2(a-u}{D^2}
\end{aligned}
$$

A) Calculations to obtain equations (3)

$$
\begin{aligned}
&= a^2 - 2a\frac{M(a-u)+2A_c v}{D} + \frac{(M^2+4A_c^2)[(a-u)^2+v^2]}{D^2} \\
&= a^2 - 2a\frac{M(a-u)+2A_c v}{D} + \frac{M^2+4A_c^2}{D} \\
&= \frac{a^4+a^2b^2-2a^3u-2aM(a-u)-4aA_c v+M^2+4A_c^2}{D} \\
&= \frac{(M-a^2)^2+4A_c^2+a^2b^2-2a(a^2-M)u-4aA_c v}{D}.
\end{aligned}
$$

A) Calculations to obtain equations (3)

Therefore

$$(M-a^2)^2+4A_c^2+a^2b^2-2a(a^2-M)u-4A_cv = d^2D = d^2(a^2+b^2-2au),$$

implies

$$2a(a^2-M-d^2)u+4A_cv = (M-a^2)^2+a^2b^2+4A_c^2-d^2(a^2+b^2). \quad (8)$$

A) Calculations to obtain equations (3)

Defining

$$
\begin{aligned}
P &= 2a(a^2 - M - d^2) = a(a^2 + b^2 - c^2 - d^2), \quad Q = 4A_c, \\
R &= (M - a^2)^2 + a^2 b^2 + 4A_c^2 - d^2(a^2 + b^2),
\end{aligned}
$$

equation (8) is the line

$$Pu + Qv = R. \tag{9}$$

A) Calculations to obtain equations (3)

Since (u, v) satisfies (1), which is the equation of the circle centered in the origin with radius sidelength b, then the point u, v is the intersection of the line (9) and the circle (1), in other words u, v must satisfy:

$$Pu + Qv = R \quad \text{and} \quad u^2 + v^2 = b^2.$$

The same equation for the line is obtained if (7) is substituted into (2) instead of (3).

Go to index (2)

B) Relation between Surveyor's Rule and maximun area

Given any quadrilateral with sidelengths a, b, c and d, Surveryor's Rule (SR) is defined as

$$SR = \left(\frac{a+c}{2}\right)\left(\frac{b+d}{2}\right) \quad .$$

By Bretschnider's Formula the maximun area (Am) is defined as:

$$Am = \sqrt{(s-a)(s-b)(s-c)(s-d)} \quad \text{where} \quad s = \frac{a+b+c+d}{2}$$

It is clear that $SR = Am$ for squares and rectangles. The proof that $SR > Am$ for irregular quadrilaterals follows. First the sides are ordered so that a is the longest.
If $p = \frac{a+c}{2}$ and $q = \frac{b+d}{2}$, $e = \frac{a-c}{2}$ and $f = \frac{b-d}{2}$ then $SR = pq$ and

$$(s-a)(s-b)(s-c)(s-d) = (p^2 - f^2)(q^2 - e^2)$$

B) Relation between Surveyor's Rule and maximun area

Therefore

$$\begin{aligned} SR > Am \quad &\Longleftrightarrow \quad pq > \sqrt{(p^2 - f^2)(q^2 - e^2)} > 0 \\ &\Longleftrightarrow \quad f^2q^2 + e^2p^2 - e^2f^2 \\ &\Longleftrightarrow \quad e^2p^2 + f^2(q^2 - e^2) \end{aligned}$$

but

$$\begin{aligned} q^2 - e^2 = (\tfrac{b+d}{s})^2 - (\tfrac{a-c}{2})^2 > 0 \quad &\Longleftrightarrow \tfrac{b+d}{2} > \tfrac{a-c}{2} \\ &\Longleftrightarrow b + c + d > a \end{aligned}$$

The last condition is satisfied because it means the sum of three sides of the quadrilateral is greater that the fourth side and this is a condition for having a quadrilateral with sides a, b, c and d.

Go to index (2)

Table S2. Discrepancies between quadrilateral recorded areas (Ac) and computed maximun areas (Am)

The data are ordered from negative to positive percent discrepancy Pd defined as $100 \times (Am - Ac)/Am$. A negative sign identifies an unfeasible field ($Ac > Am$); positive sign or zero indicates a feasible field ($Ac \leq Am$). Note that percentage discrepancies concentrate around 10 % with relatively few outliers. Field Id: locality— household—field number. Sidelengths are recorded in table S1.

Go to index (2)

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
05-01-011	560	105.4	-431.31
04-01-007	228	72	-216.67
03-05-009	866	419	-106.68
01-26-005	300	164.99	-81.83
04-06-002	715	400.4	-78.57
02-03-008	822	461.45	-78.13
03-03-005	582	348.4	-67.05
03-11-011	655	406.58	-61.10
03-10-007	400	254.08	-57.43
05-14-008	217	137.88	-57.38
04-09-003	236	156	-51.28
01-19-001	520	360	-44.44
04-10-004	769	535.18	-43.69
05-11-003	450	325	-38.46
05-18-007	470	356.86	-31.71
03-07-008	491	377.2	-30.17
05-27-005	296	230	-28.70

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
03-13-003	480	381.28	-25.89
05-29-007	370	294.22	-25.76
05-04-003	360	294.32	-22.32
05-08-003	443	367.65	-20.49
03-02-013	408	343.26	-18.86
02-02-001	931	787.15	-18.27
05-20-001	753	645.34	-16.68
03-06-009	830	711.96	-16.58
05-08-002	645	553.48	-16.54
01-15-006	238	205.52	-15.81
03-06-007	500	434.56	-15.06
05-16-005	582	509.71	-14.18
05-09-002	861	755.79	-13.92
05-32-004	388	342.89	-13.16
03-05-005	460	409.88	-12.23
05-32-005	198	176.43	-12.23
01-07-001	95	84.82	-12.00

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
04-04-003	240	214.66	-11.80
05-06-003	370	331.68	-11.55
03-08-003	436	394	-10.66
03-08-006	350	318.43	-9.91
03-09-001	630	573.39	-9.87
05-21-002	588	538.27	-9.24
03-07-002	339	311.44	-8.85
02-04-001	745	684.54	-8.83
05-11-002	338	310.74	-8.77
03-13-002	311	286.08	-8.71
03-06-005	232	214	-8.41
03-02-015	920	850.77	-8.14
05-25-007	571	528.44	-8.05
05-23-007	405	378.01	-7.14
01-07-005	240	224.84	-6.74
05-25-002	408	384	-6.25
01-30-006	700	659.47	-6.15

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
05-04-004	889	840	-5.83
03-06-001	1005	949.72	-5.82
03-05-006	650	617.09	-5.33
01-25-001	126	119.94	-5.05
05-31-001	880	839.57	-4.82
05-34-008	507	484.11	-4.73
05-05-010	338	323.42	-4.51
01-06-002	222	212.47	-4.48
05-08-006	322	309.27	-4.12
01-29-003	176	169.1	-4.08
03-02-008	610	586.6	-3.99
05-26-001	736	707.96	-3.96
01-04-006	208	200.21	-3.89
02-01-002	366	352.33	-3.88
03-03-007	470	452.69	-3.82
05-26-002	710	685.54	-3.57
01-14-004	162	156.46	-3.54

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
03-01-005	333	321.87	-3.46
05-05-005	248	240	-3.33
03-05-007	500	484.12	-3.28
03-11-002	610	592.41	-2.97
02-02-002	566	549.91	-2.93
05-30-002	252	244.93	-2.89
05-28-003	470	457.05	-2.83
05-16-002	169	165	-2.42
05-18-006	586	573.01	-2.27
03-01-006	320	312.94	-2.26
03-12-003	460	449.86	-2.25
03-01-012	370	362.24	-2.14
03-11-004	440	430.86	-2.12
01-20-001	580	568.28	-2.06
01-14-001	586	574.87	-1.94
01-01-002	126	123.64	-1.90
03-02-014	264	259.23	-1.84

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
02-06-002	492	483.27	-1.81
02-09-002	340	334.55	-1.63
05-12-004	544	535.46	-1.59
03-08-007	227	223.5	-1.57
01-03-002	73	71.89	-1.55
01-30-002	1050	1034.14	-1.53
04-04-004	390	384.1	-1.53
05-01-016	426	420	-1.43
05-29-005	192	189.48	-1.33
03-02-004	560	552.96	-1.27
03-12-002	727	717.93	-1.26
05-21-004	420	414.88	-1.23
01-13-001	560	553.66	-1.14
05-29-002	360	355.93	-1.14
03-05-003	474	468.88	-1.09
05-01-012	430	425.41	-1.08
05-05-003	700	693.17	-0.99

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-09-001	293	290.2	-0.96
03-07-007	391	387.48	-0.91
03-02-009	510	506	-0.79
05-33-001	471	467.41	-0.77
02-03-004	592	587.72	-0.73
05-34-006	310	307.81	-0.71
03-01-010	1005	998.14	-0.69
03-13-004	330	327.9	-0.64
03-05-001	372	369.88	-0.57
05-07-001	466	463.6	-0.52
01-28-005	260	258.7	-0.50
05-32-002	840	835.99	-0.48
02-05-004	492	489.71	-0.47
05-19-002	850	846.42	-0.42
04-01-008	669	666.3	-0.40
03-07-011	667	664.53	-0.37
03-08-004	436	434.4	-0.37

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
03-01-003	402	400.61	-0.35
05-14-007	348	346.85	-0.33
03-03-006	650	648.17	-0.28
03-02-002	538	536.59	-0.26
05-12-003	345	344.1	-0.26
05-15-001	300	299.41	-0.2
05-22-002	130	129.8	-0.15
01-28-003	260	259.67	-0.13
04-07-003	75	74.91	-0.13
04-03-004	1107	1105.68	-0.12
05-29-006	418	417.57	-0.1
02-05-001	438	437.62	-0.09
04-10-002	81	80.94	-0.07
05-12-005	330	329.82	-0.06
04-12-001	1025	1024.7	-0.03
05-28-001	700	699.86	-0.02
03-03-003	656	655.92	-0.01

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-01-004	400	400	0
01-01-005	400	400	0
01-01-006	400	400	0
01-01-008	400	400	0
01-01-009	400	400	0
01-01-010	200	200	0
01-02-002	400	400	0
01-02-003	400	400	0
01-02-004	400	400	0
01-02-007	400	400	0
01-02-008	400	400	0
01-02-009	200	200	0
01-03-003	400	400	0
01-03-004	400	400	0
01-03-005	400	400	0
01-03-007	400	400	0
01-03-008	400	400	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-03-009	400	400	0
01-03-011	400	400	0
01-03-012	400	400	0
01-03-013	400	400	0
01-04-003	400	400	0
01-04-004	400	400	0
01-04-005	240	240	0
01-04-007	400	400	0
01-04-008	400	400	0
01-04-009	400	400	0
01-04-010	200	200	0
01-05-002	400	400	0
01-05-003	400	400	0
01-05-004	200	200	0
01-05-005	400	400	0
01-05-006	400	400	0
01-05-007	400	400	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-05-008	200	200	0
01-06-003	400	400	0
01-06-004	400	400	0
01-06-005	200	200	0
01-07-003	400	400	0
01-07-004	400	400	0
01-07-008	400	400	0
01-07-009	400	400	0
01-07-010	200	200	0
01-08-002	400	400	0
01-08-003	400	400	0
01-08-004	200	200	0
01-09-002	400	400	0
01-09-003	400	400	0
01-09-004	200	200	0
01-10-002	400	400	0
01-10-003	400	400	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-10-004	200	200	0
01-11-003	400	400	0
01-11-004	400	400	0
01-11-005	400	400	0
01-12-002	400	400	0
01-12-003	400	400	0
01-12-004	400	400	0
01-13-002	400	400	0
01-13-003	400	400	0
01-13-004	200	200	0
01-14-002	400	400	0
01-14-003	400	400	0
01-15-003	400	400	0
01-15-004	400	400	0
01-15-005	200	200	0
01-15-008	400	400	0
01-15-009	400	400	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-15-010	200	200	0
01-16-002	400	400	0
01-16-003	400	400	0
01-16-004	200	200	0
01-17-004	400	400	0
01-17-005	400	400	0
01-17-006	200	200	0
01-18-002	400	400	0
01-18-003	400	400	0
01-18-004	200	200	0
01-19-002	400	400	0
01-19-003	400	400	0
01-20-002	400	400	0
01-20-003	400	400	0
01-21-004	400	400	0
01-21-005	400	400	0
01-21-006	200	200	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-22-003	400	400	0
01-22-004	400	400	0
01-23-003	400	400	0
01-23-004	400	400	0
01-24-002	400	400	0
01-27-003	400	400	0
01-28-002	400	400	0
01-28-004	400	400	0
01-33-002	200	200	0
01-34-002	400	400	0
01-34-003	400	400	0
01-34-004	400	400	0
01-35-002	400	400	0
01-35-003	400	400	0
01-35-004	200	200	0
01-36-002	400	400	0
01-36-003	400	400	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-36-004	210	210	0
01-37-001	140	140	0
01-37-002	400	400	0
01-37-003	400	400	0
01-38-003	400	400	0
01-38-004	400	400	0
01-39-002	400	400	0
01-39-003	400	400	0
01-39-004	400	400	0
04-01-005	60	60	0
04-03-003	410	410	0
04-03-006	120	120	0
04-06-005	200	200	0
04-08-005	450	450	0
05-01-009	660	660	0
05-03-008	256	256	0
05-05-007	448	448	0

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
05-07-002	296	296	0
05-27-004	240	240	0
05-35-002	888	888	0
03-11-009	273	273.02	0.01
04-11-002	191	191.06	0.03
04-08-002	480	480.35	0.07
03-11-003	563	563.49	0.09
04-03-002	573	573.5	0.09
03-10-001	1069	1070.16	0.11
05-06-002	297	297.41	0.14
01-35-001	323	323.47	0.15
01-28-001	191	191.31	0.16
04-09-002	231	231.45	0.19
01-26-004	424	424.95	0.22
03-10-002	310	311.21	0.39
03-10-004	503	505	0.40
05-24-001	240	240.99	0.41

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
05-09-003	520	522.2	0.42
02-03-005	525	527.91	0.55
05-03-007	805	809.5	0.56
05-01-008	708	712.25	0.60
05-02-002	242	243.6	0.66
05-27-001	1071	1078.33	0.68
01-31-002	560	563.97	0.70
03-03-002	651	655.61	0.70
05-05-009	732	737.47	0.74
01-30-005	1900	1915.45	0.81
05-36-002	1078	1086.95	0.82
01-29-008	273	275.34	0.85
03-07-006	344	346.98	0.86
05-23-003	345	348.35	0.96
03-04-006	98	98.97	0.98
04-06-001	540	545.47	1.00
05-01-010	800	808.43	1.04

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
02-06-003	538	544.19	1.14
05-10-007	420	424.97	1.17
01-29-001	300	303.71	1.22
02-03-002	372	376.6	1.22
05-13-007	585	592.71	1.30
01-17-001	128	129.96	1.51
04-03-005	120	121.89	1.55
03-11-008	347	352.49	1.56
05-23-002	481	488.63	1.56
05-23-005	390	396.38	1.61
02-08-001	451	458.83	1.71
05-03-006	623	634.11	1.75
03-04-003	480	488.63	1.77
03-12-001	480	488.72	1.78
04-07-002	527	537.3	1.92
05-23-004	350	357.32	2.05
02-05-003	400	408.44	2.07

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
03-07-005	274	279.99	2.14
05-24-003	325	332.38	2.22
05-33-004	1222	1249.73	2.22
02-05-002	765	782.6	2.25
04-12-003	900	920.95	2.27
03-01-002	631	646.05	2.33
03-02-006	459	471	2.55
05-04-005	312	320.2	2.56
01-29-009	800	821.67	2.64
05-02-001	884	909.12	2.76
05-31-003	448	461	2.82
05-16-003	440	452.89	2.85
03-06-002	315	324.46	2.92
01-18-001	660	680	2.94
01-23-006	64	65.96	2.97
05-09-006	242	249.42	2.97
01-30-009	625	645.48	3.17

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
04-04-005	364	376.28	3.26
04-06-006	190	196.57	3.34
01-22-002	336	347.86	3.41
01-29-005	850	880.21	3.43
03-01-004	652	675.5	3.48
05-34-002	362	375.99	3.72
01-32-001	206	214.08	3.77
03-03-001	640	665.42	3.82
05-09-001	530	551.14	3.84
05-05-006	464	482.61	3.86
04-06-003	451	469.68	3.98
05-14-003	284	295.77	3.98
03-01-011	480	500.85	4.16
05-34-001	266	277.76	4.23
05-02-004	155	161.86	4.24
01-19-004	220	229.93	4.32
02-10-002	351	368.2	4.67

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
03-08-001	728	763.73	4.68
01-31-001	380	398.82	4.72
01-04-011	849	893.64	4.99
04-08-003	90	94.88	5.14
03-12-004	400	422.12	5.24
05-04-006	121	127.98	5.46
02-02-003	500	530.59	5.76
03-11-007	573	608.26	5.80
05-14-010	610	648	5.86
01-17-003	103	109.54	5.97
01-11-002	166	177.26	6.35
01-21-003	203	217.86	6.82
02-07-002	288	309.12	6.83
01-20-004	150	161.23	6.96
05-16-001	460	494.47	6.97
01-27-002	75	80.72	7.08
04-11-003	724	780.52	7.24

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
05-23-008	350	379	7.65
02-09-003	310	336.21	7.80
03-10-003	540	588.45	8.23
05-10-005	335	366.61	8.62
05-30-003	257	281.43	8.68
04-07-001	365	402.46	9.31
05-23-006	510	562.39	9.32
03-06-008	260	287.2	9.47
01-01-003	200	220.96	9.49
05-10-006	905	1000.45	9.54
05-29-003	913	1016.58	10.19
03-08-002	608	678.34	10.37
05-35-001	457	515.8	11.40
01-15-007	190	216.47	12.23
05-31-004	432	495.16	12.75
03-02-012	300	344.57	12.93
04-12-002	474	549.91	13.80

Field Id	Ac (T^2)	Am (T^2)	Pd (%)
01-24-001	128	155.52	17.70
05-16-007	180	223.5	19.46
04-04-006	880	1097.85	19.84
01-26-003	242	304.24	20.46
05-04-002	248	313.25	20.83
03-11-005	260	364.18	28.61
03-02-001	567	974.47	41.81
04-08-004	640	1178.74	45.70
03-02-007	25	48	47.92
03-09-003	270	523.17	48.39
03-09-006	256	569.68	55.06
05-36-004	22	220	99.00

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Table S3: Geographic and local coordinates of El Topote.

Listed here are 42 GPS boundary coordinates for El Topote shown in Fig. 4. These, converted to Lambert projection local coordinates, enabled area calculation of the land tract for comparison with the Vergara locality of Topotitla in a field test of Acolhua area records.

Table S3: Geographic coordinates of El Topote

Point	Latitude	Longitude
0	19.589639	-98.824000
1	19.590278	-98.824167
2	19.590500	-98.824083
3	19.590611	-98.824167
4	19.590806	-98.824194
5	19.591194	-98.824139
6	19.591417	-98.824250
7	19.591833	-98.824500
8	19.592167	-98.824611
9	19.592444	-98.824694
10	19.592861	-98.824722
11	19.593222	-98.824694
12	19.594111	-98.825222
13	19.594389	-98.825278

Table S3: Geographic coordinates of El Topote

Point	Latitude	Longitude
14	19.594667	-98.825083
15	19.595139	-98.824667
16	19.594592	-98.823431
17	19.593311	-98.820961
18	19.593256	-98.821083
19	19.592769	-98.821356
20	19.592642	-98.821553
21	19.592547	-98.821781
22	19.592139	-98.822025
23	19.591986	-98.822244
24	19.591844	-98.822317
25	19.591711	-98.822375
26	19.591639	-98.822439
27	19.591572	-98.822597
28	19.591511	-98.822761

Table S3: Geographic coordinates of El Topote

Point	Latitude	Longitude
29	19.591483	-98.822853
30	19.591397	-98.822964
31	19.591283	-98.823011
32	19.591183	-98.823050
33	19.591022	-98.823147
34	19.590819	-98.823261
35	19.590717	-98.823344
36	19.590592	-98.823381
37	19.590525	-98.823439
38	19.590442	-98.823483
39	19.590383	-98.823586
40	19.590094	-98.823578
41	19.589886	-98.823753

Table S3: Local coordinates of El Topote

Point	x (m)	y (m)
0	0.0	0.0
1	71.1	-17.4
2	95.8	-8.7
3	108.2	-17.4
4	129.8	-20.3
5	173.1	-14.5
6	197.8	-26.2
7	244.2	-52.4
8	281.3	-64.0
9	312.3	-72.8
10	358.6	-75.7
11	398.8	-72.8
12	497.8	-128.1
13	528.7	-133.9

Table S3: Local coordinates of El Topote

Point	x (m)	y (m)
14	559.6	-113.6
15	612.2	-69.9
16	551.3	59.7
17	408.7	318.6
18	402.5	305.8
19	348.4	277.3
20	334.2	256.6
21	323.7	232.7
22	278.2	207.1
23	261.2	184.1
24	245.5	176.5
25	230.6	170.4
26	222.6	163.7
27	215.2	147.1

Table S3: Local coordinates of El Topote

Point	x (m)	y (m)
28	208.4	129.9
29	205.3	120.3
30	195.7	108.6
31	183.0	103.7
32	171.9	99.6
33	153.9	89.4
34	131.4	77.4
35	119.9	68.7
36	106.0	64.9
37	98.6	58.8
38	89.3	54.1
39	82.8	43.4
40	50.7	44.2
41	27.5	25.9

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Table S4. Topotitla quadrilaterals and polygons database

This Topotitla information assembled for the comparative study with El Topote, differs from table S1 in that it includes data for all 38 Acolhua surveyed fields, 24 quadrilaterals and 14 polygons with more than four sides. Missing *Ac* data for four fields are approximated by the *Am*. Field Id: locality number—household numbers sequentially first to last as they appear in the codex—field numbers sequentially within households. Sidelengths: listed clockwise from the longest side. Numbers refer to standard linear measures in T, along with monad distances shorter than T: heart = 0.4T, arrow = 0.5T, hand = 0.6T. *Ac*: codex recorded area. *Am*: computed maximum area. See (19), which describes the method for calculating the *Am* of polygons. *Pd*: percentage discrepancy ($100 \times (Am - Ac)/Am$) of the *Ac* relative to the *Am*. A positive sign or zero indicates a feasible field ($Ac \leq Am$); a negative sign identifies an unfeasible field ($Ac > Am$).

Field Id	Sidelengths (T)	Ac (T^2)	Am (T^2)	Pd (%)	Observations
02-01-001	38, 32, 31.4, 3, 18, 10	1180	1131.78	-4.26	Non-feasible
02-01-002	41, 11, 35, 8.5	366	352.33	-3.87	Non-feasible
02-01-003	38, 6, 6, 13, 20, 17	578	575.75	-0.39	Non-feasible
02-01-004	35, 22.5, 36, 9, ?, 9	741		NA	Am not computable because of missing sidelength
02-02-001	37.4, 25, 38, 17	931	787.15	-18.27	Non-feasible
02-02-002	32, 18, 35, 15	566	549.91	-2.92	Non-feasible
02-02-003	25, 20, 25, 22.5	500	530.59	5.76	
02-03-001	42, 16, 1, 15, 40, 27	797	1252.17	36.35	
02-03-002	30.5, 12, 31, 12.5	372	376.60	1.22	
02-03-003	26, 25, 26, 24		636.88	NA	Am approximates the Ac
02-03-004	39, 15, 37, 16	592	587.72	-0.72	Non-feasible
02-03-005	29, 20.5, 22, 21.5	525	527.91	0.55	

Field Id	Sidelengths (T)	Ac (T^2)	Am (T^2)	Pd (%)	Observations
02-03-006	38, 8.5, 15, 1, 20, 8	282	401.54	29.77	
02-03-007	22, 4, 18, 28, 18	520	506.63	-2.63	Non-feasible
02-03-008	27, 19, 22, 19	822	461.45	-78.13	Non-feasible
02-03-009	67, 14, 29, 4, 43, 6, 6	808	1512.73	46.58	
02-03-010	40, 13, 20, 1.4, 20, 11		639.72	NA	Am approximates the Ac
02-03-011	24.5, 27, 24.5, 19		555.93	NA	Am approximates the Ac
02-03-012	27, 4, 26.4, 15		386.99	NA	Am approximates the Ac
02-04-001	30.4, 24, 32, 20	745	684.54	-8.83	Non-feasible
02-04-002	19, 3, 4.4, 10, 32, 24	358	507.67	29.48	
02-04-003	33, 11, 21.6, 13, 18.4	524	581.45	9.88	
02-05-001	36, 12, 37, 12	438	437.62	-0.086	Non-feasible
02-05-002	41.4, 16, 37, 24.4	765	782.60	2.24	

Field Id	Sidelengths (T)	Ac (T^2)	Am (T^2)	Pd (%)	Observations
02-05-003	29, 13.5, 30.5, 14	400	408.44	2.06	
02-05-004	40, 14, 42, 10	492	489.71	-0.46	Non-feasible
02-06-001	4, 1, 17.6, 5, 27, 20, 17, 8.5, 7, 10.5, 32, 33.6	1330	2508.07	46.97	
02-06-002	24, 16, 25, 24	492	483.27	-1.80	Non-feasible
02-06-003	32.5, 16, 33.5, 17	538	544.19	1.14	
02-07-001	39, 11, 7, 15.5, 3, 30, 15.5, 9, 9	880	1341.08	34.38	
02-07-002	33, 15, 33, 4	288	309.12	6.83	
02-08-001	24, 19.5, 22.5, 20	451	458.83	1.71	
02-08-002	?, 15, 20, 14	348		NA	Am not computable because of missing sidelength
02-09-001	32, 5, 3.5, 2.5, 2, 10,25.6, 8, 17, 19	454	1094.22	58.50	
02-09-002	17.4, 16, 17, 24	340	334.55	-1.62	Non-feasible

Field Id	Sidelengths (T)	Ac (T^2)	Am (T^2)	Pd (%)	Observations
02-09-003	25, 12.5, 24, 15	310	336.21	7.8	
02-10-001	11, 27, 11, 3, 2, 23	296	340.59	13.09	
02-10-002	32, 11.4, 31, 12	351	368.20	4.67	

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