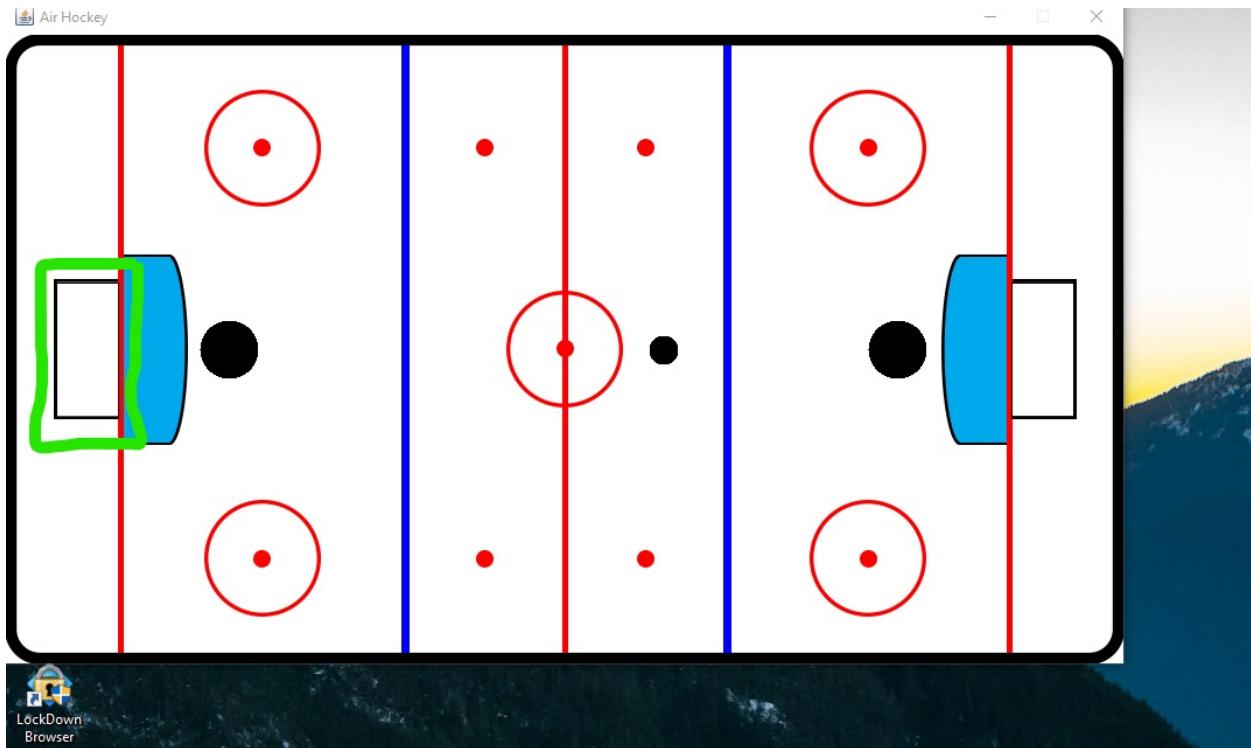


# Release 2 – Partition Document

goalLeft (x,y,l,w): 43, 212, 53, 116



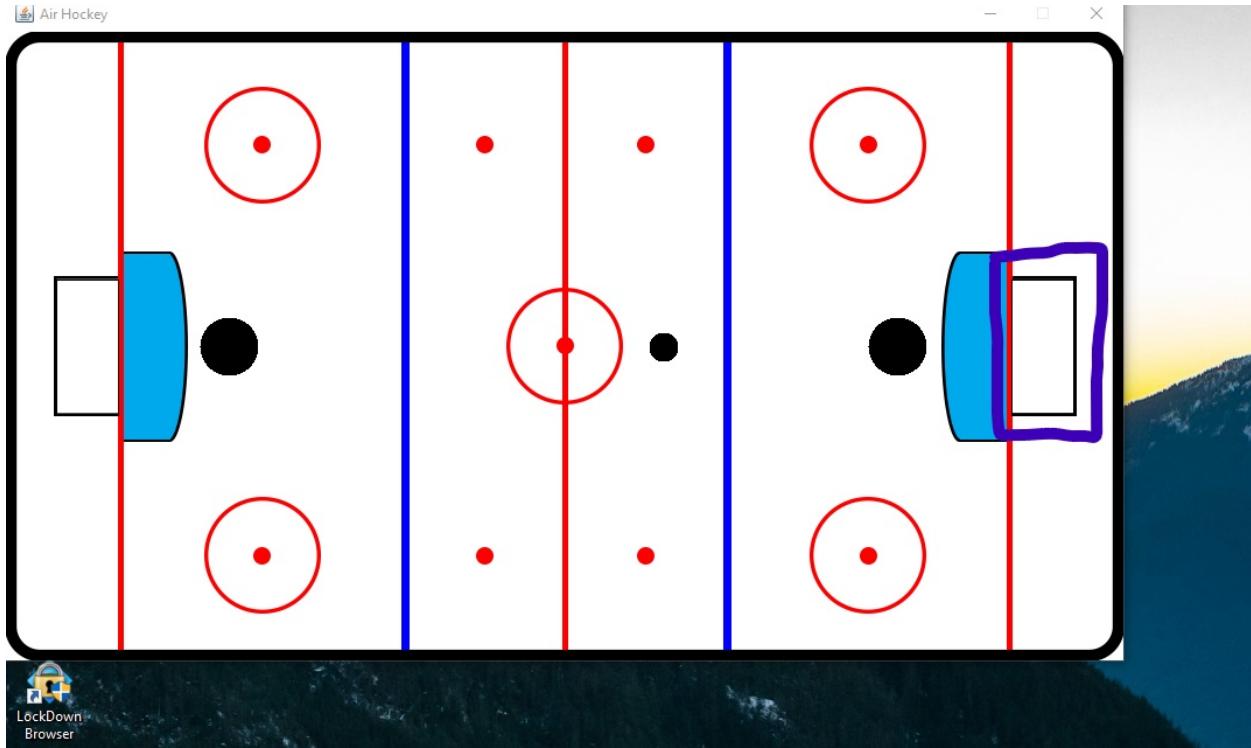
**Desc:** Bounds for X,Y coordinates that are for the Leftmost goal

Partition ID	Input Variable	Valid Partition (X,Y)	Invalid partition (X,Y)
1	Event	(73, 254) $(43 \leq x \leq 96)(212 \leq y \leq 328)$	N/A
2	Event	(84, 299) $(43 \leq x \leq 96)(212 \leq y \leq 328)$	N/A
3	Event	(45, 232) $(43 \leq x \leq 96)(212 \leq y \leq 328)$	N/A
4	Event	(53, 310)	N/A

		(43≤x≤96)(212≤y≤328)	
5	Event	N/A	(104,372) (43≤x≤96)(212≤y≤328)
6	Event	N/A	(165,101) (43≤x≤96)(212≤y≤328)

Test ID	Puck (X,Y)	Expected output	Partition ID covered
1	(73,254)	Goal	1
2	(84,299)	Goal	2
3	(45,232)	Goal	3
4	(104,372)	Not a goal	5
5	(165,101)	Not a goal	6

**goalRight (x,y,l,w): 862, 212, 53,116**



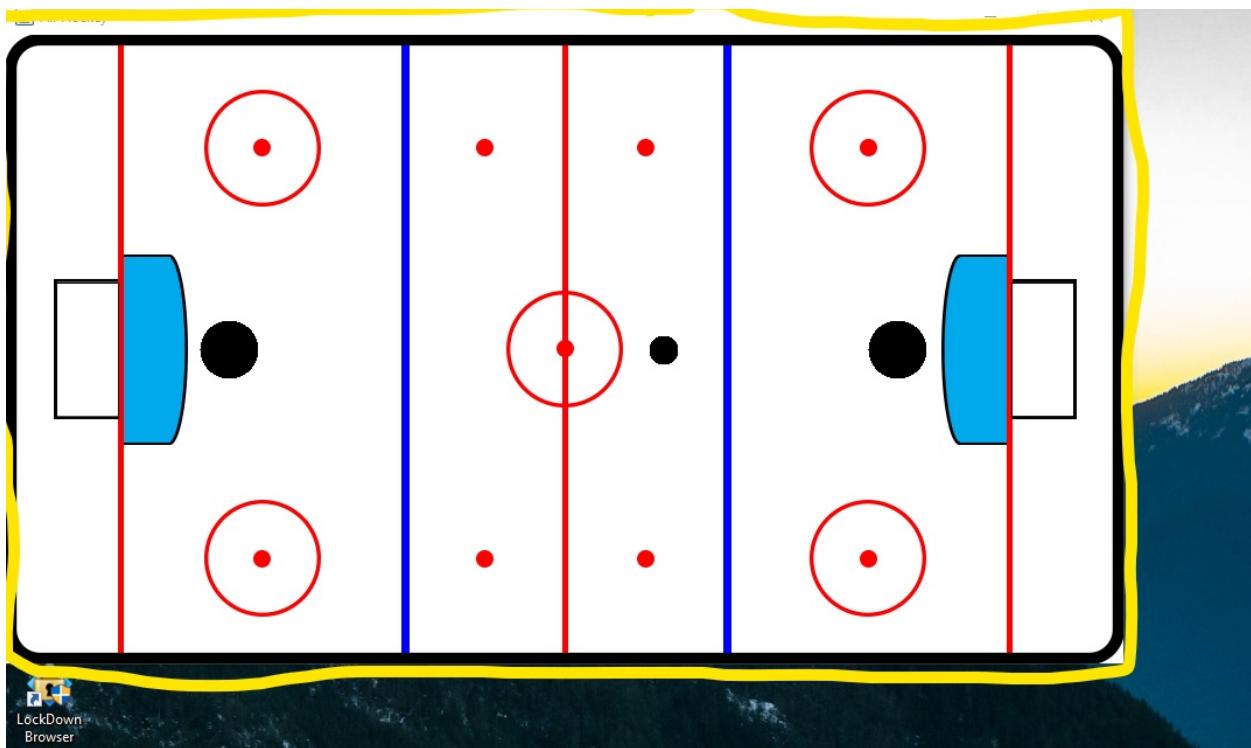
**Desc: Bounds for X,Y coordinates that are bounds for the rightmost goal**

Partition ID	Input Variable	Valid Partition (X,Y)	Invalid partition (X,Y)
1	Event	(891, 252) (862≤x≤915)(212≤y≤328)	N/A
2	Event	(865, 309) (862≤x≤915)(212≤y≤328)	N/A
3	Event	(899, 315) (862≤x≤915)(212≤y≤328)	N/A
4	Event	(909, 326)	N/A

		(862≤x≤915)(212≤y≤328)	
5	Event	N/A	(100,407) (862≤x≤915)(212≤y≤328)
6	Event	N/A	(700,555) (862≤x≤915)(212≤y≤328)

Test ID	Puck (X,Y)	Expected output	Partition ID covered
1	(891,252)	Goal	1
2	(865,309)	Goal	2
3	(899,315)	Goal	3
4	(100,407)	Not a goal	5
5	(700,555)	Not a goal	6

**HockeyField (x,y): 958x538**



**Desc: Bounds for X,Y coordinates that are bounds for the entire hockey field**

Partition ID	Input Variable	Valid Partition (X,Y)	Invalid partition (X,Y)
1	Event	(742, 256) (0≤x≤958)(0≤y≤538)	N/A
2	Event	(900, 126) (0≤x≤958)(0≤y≤538)	N/A
3	Event	(645, 429) (0≤x≤958)(0≤y≤538)	N/A
4	Event	(53, 315) (0≤x≤958)(0≤y≤538)	N/A
5	Event	N/A	(-25,642) (0≤x≤958)(0≤y≤538)

6	Event	N/A	(1004,-42) (0≤x≤958)(0≤y≤538)
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Test ID	Puck (X,Y)	Expected output	Partition ID covered
1	(742,256)	In Bounds	1
2	(900,126)	In Bounds	2
3	(645,429)	In Bounds	3
4	(-25,642)	Out of Bounds	5
5	(1004, -42)	Out of Bounds	6