

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 4.0 steps inside 40 yd In	6.75 steps behind Home side line
31A	4	Left: 4.0 steps inside 40 yd In	6.75 steps behind Home side line
32	12	On 50 yd In	4.0 steps behind Home side line
33	8	On 50 yd In	4.0 steps behind Home side line
34	12	Right: 2.0 steps inside 45 yd In	14.0 steps behind Home side line
34A	4	Right: 2.0 steps inside 45 yd In	14.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
35A	2	Right: 2.5 steps outside 50 yd In	6.0 steps in front of Home Hash (HS)
35B	2	Right: 3.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
35C	2	Right: 3.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
35D	2	Right: 3.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35E	2	Right: 1.0 steps outside 50 yd In	14.0 steps behind Home side line
35F	2	Right: 3.0 steps outside 50 yd In	12.0 steps behind Home side line
35G	2	Right: 1.0 steps outside 50 yd In	10.0 steps behind Home side line
36	2	Right: 2.0 steps outside 50 yd In	8.0 steps behind Home side line
37	16	Right: 2.0 steps outside 50 yd In	8.0 steps behind Home side line
38	16	Right: 2.0 steps outside 50 yd In	8.0 steps behind Home side line
39	8	Left: 4.0 steps inside 45 yd In	6.0 steps behind Home side line
40	8	On 50 yd In	5.0 steps behind Home side line
40A	16	On 50 yd In	5.0 steps behind Home side line
41	16	Right: 1.0 steps inside 45 yd In	4.0 steps behind Home side line
42	16	Right: 3.75 steps outside 45 yd In	10.0 steps behind Home side line
43	16	Right: 2.25 steps inside 45 yd In	5.0 steps in front of Home Hash (HS)
43A	8	Right: 3.75 steps outside 45 yd In	7.5 steps in front of Home Hash (HS)
44	8	Right: 2.0 steps outside 40 yd In	10.0 steps in front of Home Hash (HS)
45	8	Right: 0.5 steps outside 35 yd In	10.0 steps in front of Home Hash (HS)
46	8	Right: 1.0 steps inside 30 yd In	10.0 steps in front of Home Hash (HS)
47	16	Right: 2.5 steps inside 35 yd In	On Home Hash (HS)
48	16	Right: 3.75 steps inside 40 yd In	7.25 steps in front of Home Hash (HS)
48A	8	Right: 3.25 steps inside 35 yd In	11.0 steps in front of Home Hash (HS)
49	16	Right: 3.0 steps outside 30 yd In	12.75 steps behind Home side line
50	8	Right: 1.5 steps outside 30 yd In	10.25 steps behind Home side line
51	8	Right: On 30 yd In	8.0 steps behind Home side line
52	20	Right: 4.0 steps outside 45 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps outside 45 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps outside 45 yd In	6.0 steps behind Home side line
54	24	Right: 3.75 steps inside 45 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: 4.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
56	4	Right: 2.0 steps inside 45 yd In	4.0 steps in front of Home Hash (HS)
57	4	Right: 2.0 steps inside 45 yd In	6.0 steps in front of Home Hash (HS)
57A	4	On 50 yd In	10.0 steps in front of Home Hash (HS)
58	4	Left: 2.0 steps inside 45 yd In	6.0 steps in front of Home Hash (HS)

59	8	Left: 1.5 steps outside 45 yd In	7.75 steps in front of Home Hash (HS)
59A	4	Left: 1.5 steps outside 45 yd In	7.75 steps in front of Home Hash (HS)

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 0.25 steps inside 45 yd In	4.5 steps behind Home side line
31A	4	Left: 0.25 steps inside 45 yd In	4.5 steps behind Home side line
32	12	Right: 4.0 steps outside 50 yd In	4.0 steps behind Home side line
33	8	Right: 4.0 steps outside 50 yd In	4.0 steps behind Home side line
34	12	Right: 2.0 steps outside 45 yd In	10.0 steps behind Home side line
34A	4	Right: 2.0 steps outside 45 yd In	10.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35A	2	Right: 2.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
35B	2	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
35C	2	Right: 2.0 steps outside 50 yd In	6.0 steps in front of Home Hash (HS)
35D	2	Right: 2.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
35E	2	Right: 2.0 steps outside 50 yd In	2.0 steps in front of Home Hash (HS)
35F	2	Right: 2.0 steps outside 50 yd In	On Home Hash (HS)
35G	2	Right: 2.0 steps outside 50 yd In	2.0 steps behind Home Hash (HS)
36	2	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home Hash (HS)
37	16	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home Hash (HS)
38	16	Left: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
39	8	Left: 2.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
40	8	Left: 2.0 steps outside 50 yd In	11.0 steps in front of Home Hash (HS)
40A	16	Left: 2.0 steps outside 50 yd In	11.0 steps in front of Home Hash (HS)
41	16	Right: 4.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
42	16	Right: 1.0 steps outside 45 yd In	7.0 steps in front of Home Hash (HS)
43	16	Right: 1.0 steps outside 45 yd In	5.0 steps behind Home Hash (HS)
43A	8	Right: 4.0 steps outside 45 yd In	0.5 steps in front of Home Hash (HS)
44	8	Right: 1.0 steps inside 40 yd In	6.0 steps in front of Home Hash (HS)
45	8	Right: 2.5 steps inside 35 yd In	6.0 steps in front of Home Hash (HS)
46	8	Right: 4.0 steps outside 35 yd In	6.0 steps in front of Home Hash (HS)
47	16	Right: 0.25 steps outside 40 yd In	1.25 steps behind Home Hash (HS)
48	16	Right: 0.25 steps outside 40 yd In	10.5 steps in front of Home Hash (HS)
48A	8	Right: 2.25 steps outside 35 yd In	10.75 steps in front of Home Hash (HS)
49	16	Right: 2.75 steps outside 30 yd In	7.5 steps behind Home side line
50	8	Right: 2.75 steps inside 25 yd In	7.75 steps behind Home side line
51	8	Right: On 25 yd In	8.0 steps behind Home side line
52	20	Right: 4.0 steps outside 40 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps outside 40 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps outside 40 yd In	6.0 steps behind Home side line
54	24	Right: 1.75 steps outside 45 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: On 45 yd In	8.0 steps in front of Home Hash (HS)
56	4	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
57	4	Right: 2.0 steps outside 50 yd In	2.0 steps in front of Home Hash (HS)
57A	4	On 50 yd In	2.0 steps in front of Home Hash (HS)
58	4	Left: 2.0 steps outside 50 yd In	2.0 steps in front of Home Hash (HS)

59	8	Left: 4.0 steps inside 40 yd In	On Home Hash (HS)
59A	4	Left: 4.0 steps inside 40 yd In	On Home Hash (HS)

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 3.25 steps outside 50 yd In	3.0 steps behind Home side line
31A	4	Left: 3.25 steps outside 50 yd In	3.0 steps behind Home side line
32	12	Right: On 45 yd In	4.0 steps behind Home side line
33	8	Right: On 45 yd In	4.0 steps behind Home side line
34	12	Right: 2.0 steps inside 40 yd In	6.0 steps behind Home side line
34A	4	Right: 2.0 steps inside 40 yd In	6.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	8.0 steps behind Home side line
35A	2	Right: 2.0 steps outside 50 yd In	10.0 steps behind Home side line
35B	2	Right: 2.0 steps outside 50 yd In	12.0 steps behind Home side line
35C	2	Right: 2.0 steps outside 50 yd In	14.0 steps behind Home side line
35D	2	Right: 2.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35E	2	Right: 2.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
35F	2	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
35G	2	Right: 2.0 steps outside 50 yd In	6.0 steps in front of Home Hash (HS)
36	2	Right: 2.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
37	16	Right: 2.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
38	16	On 50 yd In	12.0 steps in front of Home Hash (HS)
39	8	On 50 yd In	14.0 steps behind Home side line
40	8	On 50 yd In	13.0 steps behind Home side line
40A	16	On 50 yd In	13.0 steps behind Home side line
41	16	Right: 4.0 steps outside 50 yd In	10.0 steps behind Home side line
42	16	Right: 1.25 steps outside 45 yd In	11.75 steps in front of Home Hash (HS)
43	16	Right: 1.0 steps inside 45 yd In	1.25 steps behind Home Hash (HS)
43A	8	Right: 3.0 steps outside 45 yd In	6.5 steps in front of Home Hash (HS)
44	8	Right: 1.0 steps inside 40 yd In	14.0 steps behind Home side line
45	8	Right: 2.5 steps inside 35 yd In	14.0 steps behind Home side line
46	8	Right: 4.0 steps outside 35 yd In	14.0 steps behind Home side line
47	16	Right: 3.75 steps inside 40 yd In	2.0 steps in front of Home Hash (HS)
48	16	Right: 2.5 steps inside 35 yd In	11.0 steps in front of Home Hash (HS)
48A	8	Right: 0.5 steps inside 30 yd In	11.5 steps in front of Home Hash (HS)
49	16	Right: 1.5 steps inside 30 yd In	4.25 steps behind Home side line
50	8	Right: 2.75 steps inside 25 yd In	4.25 steps behind Home side line
51	8	Right: 4.0 steps outside 25 yd In	4.0 steps behind Home side line
52	20	Right: 4.0 steps outside 35 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps outside 35 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps outside 35 yd In	6.0 steps behind Home side line
54	24	Right: 0.5 steps inside 40 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: 4.0 steps outside 45 yd In	4.0 steps in front of Home Hash (HS)
56	4	Right: 2.0 steps inside 40 yd In	4.0 steps in front of Home Hash (HS)
57	4	Right: 2.0 steps inside 40 yd In	6.0 steps in front of Home Hash (HS)
57A	4	Right: 4.0 steps inside 40 yd In	6.0 steps in front of Home Hash (HS)
58	4	Right: 2.0 steps outside 45 yd In	6.0 steps in front of Home Hash (HS)

59	8	Right: 1.5 steps inside 40 yd In	4.25 steps in front of Home Hash (HS)
59A	4	Right: 1.5 steps inside 40 yd In	4.25 steps in front of Home Hash (HS)

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 2.5 steps inside 45 yd In	3.75 steps behind Home side line
31A	4	Left: 2.5 steps inside 45 yd In	3.75 steps behind Home side line
32	12	Right: 2.0 steps inside 45 yd In	4.0 steps behind Home side line
33	8	Right: 2.0 steps inside 45 yd In	4.0 steps behind Home side line
34	12	Right: 4.0 steps outside 45 yd In	8.0 steps behind Home side line
34A	4	Right: 4.0 steps outside 45 yd In	8.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	12.0 steps behind Home side line
35A	2	Right: 2.0 steps outside 50 yd In	14.0 steps behind Home side line
35B	2	Right: 2.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35C	2	Right: 2.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
35D	2	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
35E	2	Right: 2.0 steps outside 50 yd In	6.0 steps in front of Home Hash (HS)
35F	2	Right: 2.0 steps outside 50 yd In	4.0 steps in front of Home Hash (HS)
35G	2	Right: 2.0 steps outside 50 yd In	2.0 steps in front of Home Hash (HS)
36	2	Right: 2.0 steps outside 50 yd In	On Home Hash (HS)
37	16	Right: 2.0 steps outside 50 yd In	On Home Hash (HS)
38	16	Left: 2.0 steps inside 45 yd In	8.0 steps in front of Home Hash (HS)
39	8	Left: 2.0 steps inside 45 yd In	10.0 steps in front of Home Hash (HS)
40	8	Left: 2.0 steps inside 45 yd In	11.0 steps in front of Home Hash (HS)
40A	16	Left: 2.0 steps inside 45 yd In	11.0 steps in front of Home Hash (HS)
41	16	Right: 4.0 steps outside 50 yd In	13.0 steps behind Home side line
42	16	Right: 1.0 steps outside 45 yd In	9.25 steps in front of Home Hash (HS)
43	16	Right: On 45 yd In	3.25 steps behind Home Hash (HS)
43A	8	Right: 3.5 steps outside 45 yd In	3.5 steps in front of Home Hash (HS)
44	8	Right: 1.0 steps inside 40 yd In	10.0 steps in front of Home Hash (HS)
45	8	Right: 2.5 steps inside 35 yd In	10.0 steps in front of Home Hash (HS)
46	8	Right: 4.0 steps outside 35 yd In	10.0 steps in front of Home Hash (HS)
47	16	Right: 2.25 steps inside 40 yd In	On Home Hash (HS)
48	16	Right: 2.75 steps outside 40 yd In	11.0 steps in front of Home Hash (HS)
48A	8	Right: 3.25 steps inside 30 yd In	11.0 steps in front of Home Hash (HS)
49	16	Right: 1.0 steps outside 30 yd In	5.5 steps behind Home side line
50	8	Right: 1.5 steps inside 25 yd In	6.75 steps behind Home side line
51	8	Right: 4.0 steps outside 25 yd In	8.0 steps behind Home side line
52	20	Right: On 35 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps inside 35 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps inside 35 yd In	6.0 steps behind Home side line
54	24	Right: 3.25 steps inside 40 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: 2.0 steps outside 45 yd In	2.0 steps in front of Home Hash (HS)
56	4	Right: On 40 yd In	2.0 steps in front of Home Hash (HS)
57	4	Right: On 40 yd In	8.0 steps in front of Home Hash (HS)
57A	4	Right: 2.0 steps inside 40 yd In	8.0 steps in front of Home Hash (HS)
58	4	Right: 4.0 steps outside 45 yd In	8.0 steps in front of Home Hash (HS)

59	8	Right: 2.25 steps inside 40 yd In	6.25 steps in front of Home Hash (HS)
59A	4	Right: 2.25 steps inside 40 yd In	6.25 steps in front of Home Hash (HS)

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 0.75 steps outside 50 yd In	2.5 steps behind Home side line
31A	4	Left: 0.75 steps outside 50 yd In	2.5 steps behind Home side line
32	12	Right: 2.0 steps outside 45 yd In	4.0 steps behind Home side line
33	8	Right: 2.0 steps outside 45 yd In	4.0 steps behind Home side line
34	12	Right: On 40 yd In	4.0 steps behind Home side line
34A	4	Right: On 40 yd In	4.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home side line
35A	2	Right: 2.0 steps outside 50 yd In	6.0 steps behind Home side line
35B	2	Right: 2.0 steps outside 50 yd In	8.0 steps behind Home side line
35C	2	Right: 2.0 steps outside 50 yd In	10.0 steps behind Home side line
35D	2	Right: 2.0 steps outside 50 yd In	12.0 steps behind Home side line
35E	2	Right: 2.0 steps outside 50 yd In	14.0 steps behind Home side line
35F	2	Right: 2.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35G	2	Right: 2.0 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
36	2	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
37	16	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
38	16	Left: 4.0 steps inside 45 yd In	12.0 steps in front of Home Hash (HS)
39	8	Left: 4.0 steps inside 45 yd In	14.0 steps behind Home side line
40	8	Left: 4.0 steps inside 45 yd In	13.0 steps behind Home side line
40A	16	Left: 4.0 steps inside 45 yd In	13.0 steps behind Home side line
41	16	Right: 4.0 steps outside 50 yd In	7.0 steps behind Home side line
42	16	Right: 1.75 steps outside 45 yd In	14.0 steps in front of Home Hash (HS)
43	16	Right: 1.75 steps inside 45 yd In	0.75 steps in front of Home Hash (HS)
43A	8	Right: 2.75 steps outside 45 yd In	9.5 steps in front of Home Hash (HS)
44	8	Right: 1.0 steps inside 40 yd In	10.0 steps behind Home side line
45	8	Right: 2.5 steps inside 35 yd In	10.0 steps behind Home side line
46	8	Right: 4.0 steps outside 35 yd In	10.0 steps behind Home side line
47	16	Right: 3.75 steps outside 45 yd In	4.75 steps in front of Home Hash (HS)
48	16	Right: 0.25 steps outside 35 yd In	11.0 steps in front of Home Hash (HS)
48A	8	Right: 1.75 steps outside 30 yd In	13.0 steps in front of Home Hash (HS)
49	16	Right: 3.75 steps outside 35 yd In	3.75 steps behind Home side line
50	8	Right: 2.0 steps outside 30 yd In	4.0 steps behind Home side line
51	8	Right: On 25 yd In	4.0 steps behind Home side line
52	20	Right: On 30 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps inside 30 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps inside 30 yd In	6.0 steps behind Home side line
54	24	Right: 2.25 steps outside 40 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: 2.0 steps inside 40 yd In	6.0 steps in front of Home Hash (HS)
56	4	Right: 4.0 steps outside 45 yd In	6.0 steps in front of Home Hash (HS)
57	4	Right: 4.0 steps inside 40 yd In	4.0 steps in front of Home Hash (HS)
57A	4	Right: 2.0 steps outside 45 yd In	4.0 steps in front of Home Hash (HS)
58	4	Right: On 45 yd In	4.0 steps in front of Home Hash (HS)

59	8	Right: 0.75 steps inside 40 yd In	2.0 steps in front of Home Hash (HS)
59A	4	Right: 0.75 steps inside 40 yd In	2.0 steps in front of Home Hash (HS)

Set	Counts	Left-Right	Home-Visitor
31	0	Left: 2.0 steps outside 45 yd In	5.5 steps behind Home side line
31A	4	Left: 2.0 steps outside 45 yd In	5.5 steps behind Home side line
32	12	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home side line
33	8	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home side line
34	12	Right: On 45 yd In	12.0 steps behind Home side line
34A	4	Right: On 45 yd In	12.0 steps behind Home side line
35	16	Right: 2.0 steps outside 50 yd In	8.0 steps in front of Home Hash (HS)
35A	2	Right: 2.5 steps outside 50 yd In	10.0 steps in front of Home Hash (HS)
35B	2	Right: 3.0 steps outside 50 yd In	12.0 steps in front of Home Hash (HS)
35C	2	Right: 3.0 steps outside 50 yd In	14.0 steps behind Home side line
35D	2	Right: 3.0 steps outside 50 yd In	12.0 steps behind Home side line
35E	2	Right: 1.0 steps outside 50 yd In	10.0 steps behind Home side line
35F	2	Right: 3.0 steps outside 50 yd In	8.0 steps behind Home side line
35G	2	Right: 1.0 steps outside 50 yd In	6.0 steps behind Home side line
36	2	Right: 2.0 steps outside 50 yd In	4.0 steps behind Home side line
37	16	Right: 0.25 steps outside 50 yd In	8.0 steps behind Home side line
38	16	Right: 0.25 steps outside 50 yd In	8.0 steps behind Home side line
39	8	Left: 2.0 steps inside 45 yd In	10.0 steps behind Home side line
40	8	Left: 2.0 steps outside 50 yd In	9.0 steps behind Home side line
40A	16	Left: 2.0 steps outside 50 yd In	9.0 steps behind Home side line
41	16	Right: 4.0 steps outside 50 yd In	4.0 steps behind Home side line
42	16	Right: 2.75 steps outside 45 yd In	12.0 steps behind Home side line
43	16	Right: 2.0 steps inside 45 yd In	3.0 steps in front of Home Hash (HS)
43A	8	Right: 4.0 steps outside 45 yd In	4.5 steps in front of Home Hash (HS)
44	8	Right: 2.0 steps outside 40 yd In	6.0 steps in front of Home Hash (HS)
45	8	Right: 0.5 steps outside 35 yd In	6.0 steps in front of Home Hash (HS)
46	8	Right: 1.0 steps inside 30 yd In	6.0 steps in front of Home Hash (HS)
47	16	Right: 3.0 steps outside 40 yd In	0.75 steps behind Home Hash (HS)
48	16	Right: 2.25 steps inside 40 yd In	9.25 steps in front of Home Hash (HS)
48A	8	Right: 0.5 steps inside 35 yd In	11.0 steps in front of Home Hash (HS)
49	16	Right: 3.5 steps outside 30 yd In	10.0 steps behind Home side line
50	8	Right: 3.75 steps outside 30 yd In	9.0 steps behind Home side line
51	8	Right: 4.0 steps outside 30 yd In	8.0 steps behind Home side line
52	20	Right: On 40 yd In	8.0 steps behind Home side line
53	4	Right: 2.0 steps inside 40 yd In	6.0 steps behind Home side line
53A	4	Right: 2.0 steps inside 40 yd In	6.0 steps behind Home side line
54	24	Right: 1.0 steps inside 45 yd In	8.0 steps in front of Home Hash (HS)
55	8	Right: 2.0 steps inside 45 yd In	6.0 steps in front of Home Hash (HS)
56	4	Right: 4.0 steps outside 50 yd In	6.0 steps in front of Home Hash (HS)
57	4	Right: 4.0 steps inside 45 yd In	4.0 steps in front of Home Hash (HS)
57A	4	On 50 yd In	6.0 steps in front of Home Hash (HS)
58	4	Left: 4.0 steps inside 45 yd In	4.0 steps in front of Home Hash (HS)

59	8	Left: 2.75 steps outside 45 yd In	3.75 steps in front of Home Hash (HS)
59A	4	Left: 2.75 steps outside 45 yd In	3.75 steps in front of Home Hash (HS)