

(b) Quadratic

44	12	59	36	26	5	60	40	92	42	
0	1	2	3	4	5	6	7	8	9	10

$$26 \% 11 = 4$$

collision

$$42 \% 11 = 9$$

$$5 \% 11 = 5$$

$$44 \% 11 = 0$$

$$92 \left\{ \begin{array}{l} 92 \% 11 = 4 (C) \\ (4+1) \% 11 = 5 (C) \\ (4+2) \% 11 = 8 \end{array} \right.$$

$$59 \left\{ \begin{array}{l} 59 \% 11 = 4 (C) \\ (4+1) \% 11 = 5 (C) \\ (4+4) \% 11 = 8 (C) \\ (4+9) \% 11 = 2 \end{array} \right.$$

$$40 \% 11 = 7$$

$$36 \% 11 = 3$$

$$12 \% 11 = 1$$

$$60 \left\{ \begin{array}{l} 60 \% 11 = 5 (C) \\ (5+1) \% 11 = 6 \end{array} \right.$$

$$80 \left\{ \begin{array}{l} 80 \% 11 = 3 (C) \\ (3+1) \% 11 = 4 (C) \\ (3+4) \% 11 = 7 (C) \end{array} \right.$$

(unable to find index 10) Failure

80 failed