

| plan  | 0     | 1     | 2     | 3     |
|-------|-------|-------|-------|-------|
| $a_0$ | (0,0) | (1,0) | (2,0) | (3,0) |
| $a_1$ | (0,0) | (1,0) | (2,0) | (3,0) |

$$f = \begin{cases} \textit{True}, & X \neq 0 \\ \textit{False}, & \textit{otherwise} \end{cases} \quad (4)$$