

## Answer

The translation of algorithm *DieHarder* defines the next-state action to equal:

$$\vee \exists j \in Jugs : F_1$$

$$\vee \exists j \in Jugs : F_2$$

$$\vee \exists j \in Jugs : F_3$$

for formulas  $F_1$ ,  $F_2$ , and  $F_3$ . The translation of the modified algorithm defines the next-state action to be the equivalent formula:

$$\exists j \in Jugs : F_1 \vee F_2 \vee F_3$$

[CLOSE](#)