

PŘEVOZNIK, VLK, KOŠA, ŽELI

Převozník má za úkol dostat se jedním řádkem řeky na druhý břeh, kovu a keli' tal, aby spolek nikdy nezůstal osamotě s kovu nebo kosa se kelim.

Převozník má sadku, do které se může posadit on sám a jedním přířtem nebo se kelim.

Navrhnete vhodnou formalizaci pro popis stavů a operátorů a úlohu řešte technicky a momentem stavů

Zápis stavů

l. břeh | d. břeh \Rightarrow počáteční stav $s_0 = P, V, K, Z$ | -
cílový stav $s_c = -$ | P, V, K, Z

Zápis operátorů

- $\varphi_1 = PV$... převozník jede na protější břeh a nese
- $\varphi_2 = PK$... " " " " " a kovu
- $\varphi_3 = PZ$... " " " " " se kelim
- $\varphi_4 = P$... " " " " " sám

Resavni!

$$A_0: P_1, k, z \mid -$$

$$A_1: -1, -k, z \mid P_1, -1$$

$$A_2: -1, -z \mid P_1, -k, -$$

$$A_3: -1, -1, -z \mid P_1, k, -$$

$$A_4: P_1, -z \mid -1, -k, -$$

$$A_5: -1, -1, -z \mid P_1, k, -$$

Poznamka: vede se z toho břehu, na kterém je přerostek, probře přerostek na loorku

~~$A_1 = A_5$~~ "chyba"

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Výsledek

$$\mathcal{M} = \{ \varphi_2, \varphi_4, \varphi_1, \varphi_2, \varphi_1, \varphi_2 \} = \{ P_1, P, P, P, P, P, P, P, P, P, P, P \}$$

Při první proch' operacím musí být

1. výsledek $\mathcal{M} = \{ P_1, P, P, P, P, P, P, P, P, P, P, P \}$
 2. n. publikuj' letem' minut' dopř' z k. maem'

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