DOSOFTEI GEORGIANA-PARASCHEVA

TEMA 9

1. Pentru fiecase din grusile urmatoare, decideti daca este mur crescator ni oliterminadi toate soludiile problemui ruciacului ou " volumul" corespuntator:

$$V = 73$$

$$v = (2,3,7,20,35,69)$$

$$\begin{aligned}
& \lambda_0 = 3 \quad (\ v(3) = 7 \le 10) \\
& \mathcal{E}_3 = 1 \\
& \mathcal{E}_4 = 0 \\
& V = 10 - 7 = 3 \\
& v = (2,3) \\
& \lambda_0 = 2 \quad (\ v(2) = 3 \le 3) \\
& \mathcal{E}_2 = 1 \\
& \mathcal{E}_1 = 0 \\
\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E}_1 = 1 \\
\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E}_2 = 1 \\
& \mathcal{E}_1 = 0
\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E}_1 = 1 \\
\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E}_2 = 1 \\
\end{aligned}$$

$$\end{aligned}$$

$$\begin{aligned}
& \mathcal{E} = \{0, 1, 1, 0, 1, 0 \} \\
& \mathcal{E}_1 = 1 \\
\end{aligned}$$

$$\end{aligned}$$

 $E_3 = 0$ $E_4 = 0$

A)
$$2+3=5C6$$
 $5+6=11 \le 11$
 $11+11=22 > 21$
 \Rightarrow Girul nu e myereresca for

 $V=39$
 $v=(2,3,6,11,21,40)$
 $k=6$
 $i_0=5$ ($v_0 = 21 \le 39$)
 $\epsilon_5=1$
 $\epsilon_6=0$
 $V=39-21=18$
 $v=(2,3,6,11)$
 $i_0=4$
 $\epsilon_4=1$
 $\epsilon_4=1$
 $\epsilon_4=1$
 $\epsilon_4=1$
 $\epsilon_4=1$
 $\epsilon_5=0$
 $\epsilon_5=1$
 $\epsilon_6=0$
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 $\epsilon_6=0$
 $\epsilon_6=0$

e)
$$4+5=9 \le 10$$

 $9+10=19 \le 30$
 $19+30=49 \le 50$
 $49+50=99 \le 101$
 \Rightarrow Girul este superolusiator
 $V=186$
 $v=(4,5,10,30,50,101)$
 $\dot{i}_0=6$
 $\varepsilon_6=1$
 $V=186-10/=85$
 $v=(4,5,10,30)$
 $\dot{i}_0=5$
 $\varepsilon_5=1$
 $V=85-50=35$
 $v=(4,5,10,30)$
 $\dot{i}_0=4$
 $\varepsilon_4=1$
 $v=35-30=5$
 $v=(4,5,10)$
 $\dot{i}_0=2$
 $v=(4,5,10)$

E3=0

E1=0

V=5-5=0

E=(0,1,0,1,1,1)