populacia = cyrkalouja x czas życia

Q < 00 2>1 1=7

Possible Contractions of the Contraction of the Con

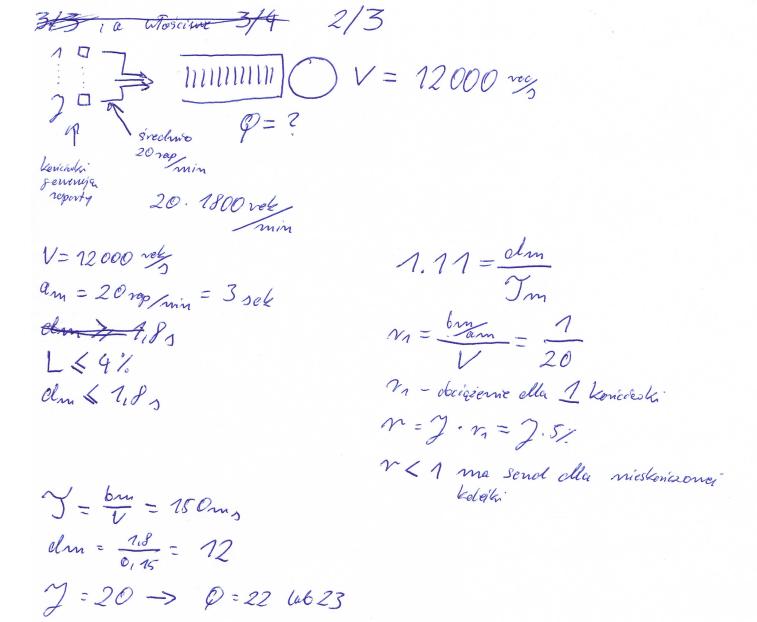
70. po + 1(1-Po) 1-Po = 1-L x bm 1-Po=(1-L)~

-Po=(1-L)~-1 Po = (1-L) 1,000 1= (1-L)2

Po -> O Q -> 00 L=1-1, n>1

> N= 120% Lgr = 15,7%

Nicealeinne cel Q L= 15, 7; System Ile zamojektowany



3/1

$$J=50$$
 $a_{m}=\frac{2}{3}$
 $b_{1}=1000$ b 80%

 $b_{2}=160$ b 20%

 $V = 1000 = 1000 = 1000 = 1000$

Pot cluptels

odbior - nieclostapniecha nas $\omega = 750$ ms

 250 ms - noclaje i dostapniecha nas

 $\frac{2}{3}$ s $\Rightarrow 80$ rocos

 $\frac{2}{3}$ s $\Rightarrow 80$ rocos

rdunamie cięstości 1-Po = 1-L m = (1-L) 2

$$b_{m} = 0.8 \cdot 1000 + 0.2 \cdot 160 = 832$$

$$a_{m} = \frac{2}{3} / 50 = \frac{2}{150} \quad V = \frac{10000008}{4} = 250$$

$$n = \frac{b_{m}}{a_{m}} = \frac{8328}{150} = \frac{66365 \cdot 100000}{4} = 0.4992$$

Po -> ZakTalarny, de w 250mg proceser pravie nigoly nie Golio bezognmy bo Oduže i v duiz -> bezagnność strake znikoma Po= 750 ms

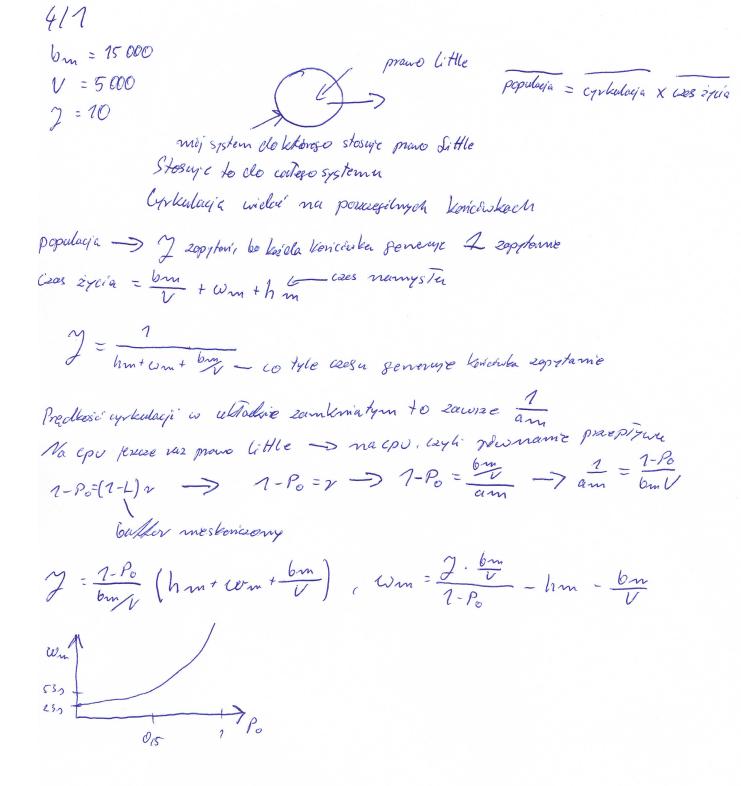
$$1-0.75 = 0.4992 - 1.0.4892$$

$$0.25 = 0.4992 - 0.4992L$$

$$0.2492 = 0.4992L$$

$$1 \approx 50\%$$

Bufor bez znacomia Najgorze jest grupowanie zgłopen' obstuga grapowa Zamiost 2x 1 Mbs lopie nie 1x2 Mbs



4/2
a)
$$C_{PU} = \frac{L_{P} \cdot 3p}{am} = \frac{21 \cdot 0.05}{am} = \frac{1.05}{am}$$

Set = $\frac{L_{Set} \cdot 3st}{am} = \frac{12 \cdot 0.07}{am} = \frac{0.094}{am}$

Fet = $\frac{L_{2et} \cdot 3td}{am} = \frac{0.16}{am}$
 $C_{PU} \times 1 = \frac{1.05}{am} \times 1$

Fet = $\frac{1.05}{am} \times 1$

Fet = $\frac{0.16}{am} \times 1$

Proceeding to caylong; tame me procedured in the processing of the six manuals of the six

b) egranicyc' opéinieme sistemene me zaje To wiçiq' mis...
problem a cresom bolej karame
2 namy tyllo cres obstegi
Preno Little - nejpren colosic'

Parimo wyjsi w alpowed, ie me wytryma

a sdy d= 9?

5/1

AMM/1/2

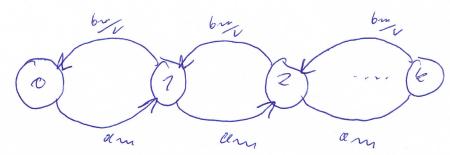
b) MIM/1/5
$$Q = 5$$
 whateve destings extensive 2 name

 $2am = y_m = \frac{b_m}{v} = y_m = \frac{b_m}{a_m v} = 2 = r$
 $L = ?$ $L = \frac{1-r}{1-r} ?$ $r = \frac{3r}{63} \approx 50%$
 $L = \frac{1-r}{1-26} \cdot 2^5 = \frac{3r}{63} \approx 50\%$

$$S_1 = 2.9 [exlary] \rightarrow 6cpv$$

 $S_2 = 0.6 [exlary] \rightarrow 83 cpv$





MIMIA

am: 10s

bn = 10 gp

0) 2 p=25/ sylosseme me opuræra systemu po obstudero

by wrest

Czestotliność = 3 czestotliność czestotliność czestotliność obstusia

b) Ma 3 28 Tozzen V warster clo 50/ Ma przypodku, sely zgłowen jest powyżej 3



C) iak mit me mic de rebety i to "icket me wakeupe"

