SVAN/LOSMASOUTILI tentament 10 Kospten (ETSOFS) 21/5-2012, 08-13. 00000 b) standardæräkninger gerætt, $6 = \frac{1250}{3279}, P = \frac{750}{32791} P = \frac{225}{12579},$ 2 = 45 , p = 9 3279, y = 2279 2 - 60 = 2 (1- Fg) 60 = 179, 29 per minut. T = N = R + 2R + 3R + 4R = 0.2013 sekunder $\lambda \in \mathcal{A}$ (2) (2) (3) (3) (4) (4)standardberakninger geretts R=16/293, P= 32/293 B= 56/293, B= 84/293, B= 105/293. 1-8 × 0.7454 => = 94.5 % av tider. b) P+P × 0.1638 => × 16.4 % av tiden. λ_{eff} = 8p+7p+6p + 5p ≈ 3,782 Anropesparr = 1/8 ~ 0.275 J))y Py. 60 ≈ 86 sparres/minuto

a) $N_i = \frac{S_i}{1 - S_i}$ λ=1 => S,=1/4 => N,=1/3 1 = 2 => S2 = 1/2 => 1/2, = 1 1= 12+ 32/4=2,75 => S3 = 0.458 => N3 = 0.845 λy = 0.3 λ3 = 0.825 => Sy = 0.165 ⇒ Ny ≈ 0.198 $\lambda_5 = 0.7\lambda_3 + 0.25\lambda_1 = 2.175 \Rightarrow S_5 = 0.435 \Rightarrow N_5 = 0.77$ Ti = Ni/A: VIKEt ger: Tj=1/3, T2=1/2, T3 × 0.307, Ty=0.24 och Den sökte medeltiden ar $(T_{3}+T_{5}+T_{5})0.7\lambda_{4}+(T_{1}+T_{3}+T_{5})0.75\lambda_{1}0.7+(T_{1}+T_{5})0.25\lambda_{1}\approx 1.07 \text{ sek.}$ Som n b) her vi ëven här tre mëjligje "vë gest." Den sekta medeltiden er: $(T_1 + T_5 + T_9) = 0.75 \lambda_1 0.3 + (T_1 + T_5 + T_5) = 0.75 \lambda_1 0.7 + (T_1 + T_5) = 0.892 \approx k$ $\frac{d}{S} = \frac{\lambda_1}{4} < 1 \Rightarrow \lambda_1 < 4$ $S_3 = \frac{2+3\lambda_1/4}{2} < 1 \Rightarrow \lambda_1 < 16/3$ $3y = 0.3(2+321/4) 1 \Rightarrow \lambda < 17.6/0.9$ $S_5 = 0.7(3+3\lambda_1/4) + 0.25\lambda_1 (1 \Rightarrow \lambda_1 < 3.6)$ Nod 1 blir forst instabil och det skerde 1=4.

5 a) T = 1 = 1 $u - \lambda = 5 - \lambda$ Kurvan ger genem punkternec (1=0, T=0.2) (X = 2.5, T=0.4), (X=4, T=1) och går asgregetetiets met o de 2-5. bJ 2004/1 = 1-P = 2 (1-Fe+1)/10 Persenen har saledes vatt. Anropsoperr =), E $T = \overline{X} + \lambda E_1 X^2 = 2.35.10^{-2}$ $2(1-\lambda \overline{X})$ ty x = 0.02 och E{x3 = 0.02 $W = \frac{\lambda E \{x^2 \}}{2(1-\lambda \bar{x})} \mod \bar{x} = x_0 + x_1 (1-\beta) \text{ och}$ E { X } = X , (1-16) N= 2T = 2W + 2X 4 Ns=5 => Kwellet