Spannob Maxami

1) M[X] = 300
$$P(X>A) \leq \frac{M(X)}{A} \text{ rep-less Majnoba}$$
a)  $P(X<400) \leq \frac{300}{400} = \frac{3}{4} = 9,75$ 

$$S) P(X \leq 500) > 1 - \frac{300}{500} = 94$$

$$X = \frac{9+5+7+7+4+10}{6} = 7$$
 $1-\frac{2}{2} = 0,995$ 
 $2 = 2,58$ 

Dobepunerones unmerbar (7-405; 7+4,05) (5,95;8,05) 4) Xi ~ N(y, 5°) OMM A, J-? f(y, 5°)(y) = 1 exp(-(y-y)) f(x, u, 6)=1 = 1 = 1 = exp(-(x;-w²) = = (250 2) 1/2 exp(- \frac{2}{1=1}(x;-11)^2) L(x,u,62) = - ln(271) / - 1/2 ln 52 - == (xi-u)2 A ZX  $\int_{-\infty}^{\infty} \frac{1}{2\pi} \left( \frac{1}{2\pi} \left( \frac{1}{2\pi} - \frac{1}{2\pi} \right)^{2} \right)$