6. X-zmoure loson dystureture.

Pohory, re Elax+61=aE(X)+6

dot. E(X) - vetos E ovelwoon zmonny losowy X

 $EG) = Z \times pi$

 $E\left(\alpha X+b\right)=\sum_{i}\left(\alpha x_{i}+b\right)p_{i}=\sum_{i}\left(\alpha x_{i}p_{i}+bp_{i}\right)=\sum_{i}\alpha x_{i}p_{i}+\sum_{i}bp_{i}=\alpha\sum_{i}x_{i}p_{i}+b\sum_{i}p_{i}=\alpha E(X)+b\cdot 1=0$ $=\alpha E(x)+b$