Mittwock, 2, May 2018 22:53 $X = \{1, 1, 1, 6\}$ $P\{X = i\} = \frac{1}{6}, A = i = 6$ $A = \{2, 1, 1, 6\}$ $P\{X = i\} = \frac{1}{6}, A = i = 6$ $P\{X = i\} = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}$ $P\{X = i\} = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}$ $P\{X = i\} = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}, A = \frac{1}{6}$ $P\{X = i\} = \frac{1}{6}, A = \frac{1}{6}, A$	UE5-	-Ex14 A									
$A = \{2, 4, 6\}$ $P[A = i] = \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$ $Y_{i} = \{0: x_{i} \notin A = \}$ $E[Y_{i}] = X_{2} \cdot P[X = X_{2}] + X_{4} \cdot P[X = X_{4}] + X_{6} \cdot P[X = X_{6}] + X_{6} \cdot P[X = X_{6}$	Mittwoch	n, 2. Mai 2018 22:5	53								
$Y_{i} = \begin{cases} 1: & x_{i} \in A \\ 0: & x_{i} \notin A \end{cases} = > E[Y_{i}] = X_{2} \cdot P[X = X_{2}] + X_{4} \cdot P[X = X_{4}] + X_{6} \cdot$	=	1, 2, 3,	4,5,63	P[X =	=1)=1	1 4	166				
$S^{2} = \frac{1}{n-1} \sum_{i=1}^{n} \{Y_{i} - \mu\}^{2} \qquad E[Y_{i}] = 1 \cdot \frac{1}{6} + 1 \cdot \frac{1}{6} + 1 \cdot \frac{1}{6}$ $S^{2} = \frac{1}{4} \cdot \frac{1}{2} + \frac{1}{4} \cdot \frac{1}{2} = \frac{2}{8} \qquad E[Y_{i}] = \frac{3}{6} = \frac{1}{2} \qquad \Rightarrow p$	Д =	= { 2, 4, 6 }		P [A =	iJ = 1/6 +	1 + 1	= 3/6	<u>- 1</u>			
$\sigma^{2} = \frac{1}{4} \cdot \frac{1}{2} + \frac{1}{4} \cdot \frac{1}{2} = \frac{2}{8}$ $E[Y_{i}] = \frac{3}{6} = \frac{1}{2}$ => μ	Y; =	1: X; E. 0: X; £	A =>	E[Y;]	= X ₂ . p	[X=X2) + X4	?[X=X	(4] +	×6. P[_ X =
	5 ¹ = ,	$\frac{\Lambda}{n-\Lambda}\sum_{i=\Lambda}^{n}\left(\bigvee_{i}-\sum_{j=1}^{n}\left(\bigvee_{i}\right)\right)$	u)2	E [Yi]	= 1. 1/6	+ 1.16	+ 1.	1			
	Q = {	1 1 1 1 2	- 28	E[Yi]	= 3 = 1	= 7) M				
	52=	1 4									