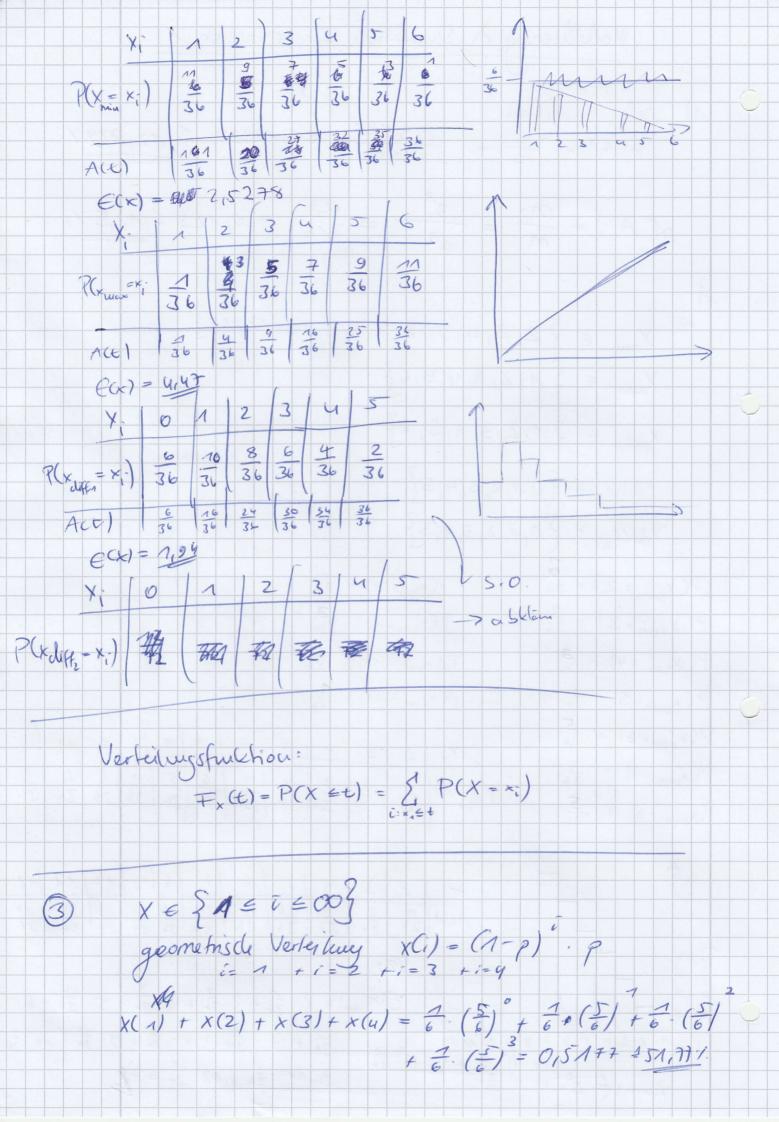
Modellienny & Simulation I. Exercise 1 1) rel. Hanfifeit cel. Hanfifeit $h(t_i) = \frac{283789}{n} = \frac{283789}{2300000} = \frac{12i339}{12i339}$ $P(A_{-}) = \frac{m_{1}}{m} = \frac{3^{3}}{6^{3}} = \frac{27}{216} = 0_{1}12.5 = 12.57$ Xsm & \$2,3,4,5,6,7,8,9,10,11,12} Xuin E \$ 1,2,3,4,5,6} xmax & \$1,2,3,4,5,6} × diff = {0,1,2,3,4,5} Xdiff2 & 20,1,2,3,4,5} b) P(x_{sum} = 2) = 36 P(xsm=9) = 36 P(xsu = 10) = 36 P(Xsum = 31 = 36 P(xsu = 11) = 36 P(X Sum = 4) = 36 P(xsum = 12) = 36 P(xsum = 5) = 1 X: 2 3 4 5 6. 7 8 9 10 11 /12 P(xsum=6) = 36 P(xsum = 7) = 6 P(X=X;) = 36 36 36 36 36 36 36 36 36 36 P(xsum = 8) = 36 Van E(xsun) = 2. \frac{1}{36} + 3. \frac{2}{36} + 4. \frac{3}{36} + 5. \frac{4}{36} + 6. × ON 36 + 7 - 36 + 8 - 36 + 9 - 36 + 10 - 36 BRUNNEN 5 6 7 8 9 10 11 12 Variant $f = (2-7)^2 \cdot \frac{1}{36} + (3-7)^2 \cdot \frac{2}{36} +$ + 11 · 36 + 12 36 = 7



geomhisch Verleitig se nach P thetesdicolder #> Kontinierlich Verlalyshablion nie die exposedielle Verleiburg haden für alle X - Werk eine g- West; diskrek wicht $P(x \leq 1) = P \cdot (P-1) - P$ expon. P(x = 1) = 1 - e + 1 - e = 1 - e