HWTC # 12 Abdullah MEMIEOGLU 17102400<u>1</u> I'm order to check Y(+1 is Wiss —) ELY(+)]= constant in time => Pyy(+1+2) = E[Y(+1) /(+2) = Ryy(+1-+2) * Y(+) = Sth(t-y). N(7)dy = (line ordy) E[Y(H)] = E[Sh(+-5), N(3)d]] = SE[h(+-y), N(y)dy] I h(+-7). E[N(x)]dx -1 constant in time/ 0-1 N(t) ise zero mean) eq.1 7(t)= 5 h(J)N(t-J)dJ, Y(t+J)= 5 h(r)X(+J-r)dr $E[Y(t), Y(t+7)] = \tilde{E}_{YY}(t,t+7) = E[Sdrh(r)]dx.h(r)$ $=\int_{\infty}^{\infty} dr h(r) \cdot \int_{\infty}^{\infty} dr h(r) \cdot E[N(t-r)N(t+r-r)]^{N(t-r)} \cdot N(t+r-r)$ V = -7 dv = -d7 $P_{NN}(y-r+T)$ dv = -d7 $for [-dv]n(-v) R_{NN}(T-r-v) = \int_{-\infty}^{+\infty} dv h(v) R_{NN}(T-r-v)$ $= \operatorname{Rnn}(T-r) * h(T-r)$ h(-v)Ryy(t,t+T) = 5 to (M(r)) 6 (7-r) = h(T) * RNN (T) * h[-7] 10-Jui Ryy (t, E+T) = Ryy (T)

Abdullah MENTSOELL HWTC#12 Q2 191024001 Si ! Index of the bernoulli trial first successful alteret Sz: Index of the second successful Bernoulli trich. SIN Geometric (P) PESI 26, S2 > 10} Ponts, Sz(i,5) = 95-22, Ponts, (i)=9i-1 Pontsz (j-)= (j-1).9)-2p2 PS (b) PESIL6, SZLM3 = 1- PESIL6, SZ>103