Such the Given,
$$8C_{0}$$
) = R_{0} (00 $8C_{1}$) = R_{1} (10 $8C_{2}$) = R_{1} (10 $8C_{2}$) = R_{1} (10 R_{1}) = R_{2} (10 R_{2}) = R_{2} (10

Q20 Given, BCH) = RA 90

BCI) = RA 100

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SCO) = RE 25', SW =
$$\int_{-100}^{100} \frac{1}{200}$$

FOX X = 10 shower & y = 18 bonds

V(0) = $\frac{10}{2} \times \frac{25}{20} + \frac{15}{20} \times \frac{100}{20}$

V(1) = $\begin{cases} 10 \times 25 + 15 \times 90 \\ = 24 \cdot 100 \end{cases}$

V(1) = $\begin{cases} 10 \times 30 + 15 \times 100 \\ = 24 \cdot 100 \end{cases}$

Return of this postposio is given by

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 $\begin{cases} 1800 - 1600 = 0.0625 \text{ or } 6.25\%, \text{ with problem 1600} \\ = 1600 \end{cases}$

Which problems is given by

ECKN= 0.125x8 + 0.0125 (1-P)

Que 3- (niven, B(0) = R& 100 BC17 = Rg. 110 Sw = f Rx 100, with p = 0.8 S(0) = 80 kg. Pa 60., with P = 0.2 given initial wealth, New = 10,000 ESCHA K = X 160) = 50x 100/th 20x(100. 100× 3 = 5000 80× × = 5000 A = 280 = 132 V(1) = \$1250 × 100 +50×110 = Rx 11750 with p=0.8 125x 60 + 50 x110 = Rx 9250 with p=0.2 $E_{V} = \begin{cases} \frac{1750}{10000} = 0.175 & \text{with } p = 0.8 \end{cases}$ -0.075 Expected Return = 0.175x0.8+ (-0.075x0.2)
= 0.125 = (2.5% Risk of Investment => 0.125-0.125) x0.8 + (-0.075-0.125)x0.2 = 0.084 = 50.002+004 3 8.4 -1.

Qu. Given, BCO) = Px90 BCI) = Px100 (By 20, with produce Lucio = $S_{+}1,160$, if stock goes down lat x be no. of shown by be no. of bonds bought $V(0) = (x \times 25) + (y \times 90)$ — 0300c + 100y = 1160 - 2) from the 20x + 100y = 1040 - 3 from the upon solving. Birlos 10090 oc= 12, 2 × 28 Nature of portfolio at time o is V(w) = 12×25 + 8×90 = Rx, 1,520