| Date AV499 (AVD871 Tuborial problem. (note change/claritication). |
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| Suppose Alice Aeceives a monthly salary of St. per month at month |
| t. She speads at amount of money from the lotal amount of |
| money or capital and investo the rest of the money on which |
| she earns 6% interest per month. What should be the investment |
| steategy that will allow her to meximise her spending for H |
| months. |
| suppose Ct is capital. |
| Jotal money in 1th month is (+ St. |
| spending is ab.; at & Cb. |
| money left is Ct + St-at. |
| = money invested. |
| (0) (0) |
| So $(\xi+1)=(1+\theta)(\xi+3\xi-a\xi)$ from whatwas written on board. |
| |
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| maximise $\sum a \epsilon$ |
| t =0 |
| $b = 0$ $\Rightarrow \text{ suppose } H = 1$ |
| $b = 0$ $\Rightarrow \text{ suppose } H = 1$ $\text{maximise } 0$ |
| $b = 0$ $\Rightarrow \text{ suppose } H = 1$ |
| $t = 0$ $\Rightarrow \text{ suppose } H = 1$ $\text{maximise } A_0$ $a_0 \leq (_0 + S_0)$ $\text{So take } a_0 = (_0 + S_0).$ |
| $t = 0$ $\Rightarrow \text{ suppose } H = 1$ $a_0 \leq (_0 + S_0)$ $So \text{ take } a_0 = (_0 + S_0)$ $\Rightarrow \text{ suppose } H = 2.$ |
| $t = 0$ $\Rightarrow \text{ suppose } H = 1$ $a_0 \leq (_0 + S_0)$ $So \text{ take } a_0 = (_0 + S_0)$ $\Rightarrow \text{ suppose } H = 2.$ $\text{maxim ise } (a_0 + a_1)$ |
| $t = 0$ $\Rightarrow \text{ suppose } H = 1$ $a_0 \leq (_0 + S_0)$ $So \text{ take } a_0 = (_0 + S_0)$ $\Rightarrow \text{ suppose } H = 2.$ |