	CD. 4		Date /	_
-	39 L - M	signment 1	Page No.	-114
Q.5	Age	(millon dollars)	HPI	BHK
12 83	0.5	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Brass Care	2
	<u>25</u> 35	40	135	3
	45	60	256	3
	20	80	231	4
	35	20	267	4
	52	120	139	2
	23	1.8	150	3
	40	9.5	427	4
	60	100	216	3
	48	220	139 250	3
1	33	1 50	264	4
		TANK SAME SAME	267	
=>	NOW CAS the	instance: Age => 37	· 2000 => 147	he mood to aird
		PI (continuous) and		
	1, 2 and 3.		0.111 1 900 SEP 10 7 W	and a constant
	steps for a	NN:		
(i)		te distance of tost ins	stance with each 181	oining instance
		we don't take the squ		
		euclidean distance.	0	
<b>→</b>	Age = 25	; 200n = 40:		
	d= (25.	-37)2+(40-14;	2)2 => 144+1	0.404 = 10458
			William Part Part Control	
->	Age = 35; 0	loian = 60:		
	d = (37-3	5) + (60 - 142) =	Q829 6, 7	28
-	Age = 45;			
		-37)2+(80-142)3	=7 3,908	

```
Date /
                                            Page No.
       Age = 20; LEGT = 20:
        d = (20 - 37)^2 + (20 - 142)^2 = 15,173
       Age = 35; 200n = 120:
->
        d = (35-37) + (120-142) = 488
       Age = 52; 2000 = 18:
\rightarrow
       d= (52-37) + (18-142) = 15,601
       Age = 23; doon = 95:
       d = (23 - 37)^2 + (95 - 142)^2 = 2,405
       Age = 40; 200n = 62:
       d = (40-37)^2 + (62-142)^2 = 6,409
       Age = 60; Loan = 100:
->
       d = (60 - 37)^{2} + (100 - 142)^{2} = 2,293
      Age = 48; 200n = 220:
 ->
       d = (48-37)2+(220-142)2 = 6,205
      Age = 33; 200n = 150:
 ->
      d = (33-37) + (150-142) = 80
      The nearest neighbour to test instance is with Age = 33; down
       = 150.
      The second nearest neighbour is with age = 35; 200n = 120.
      The third nearest neighbour is with age = 60; Loan = 100.
 ->
      FOR R = 1:
      & BHK = 4
```

HPJ = 264

(264+139+139)/3 = 180.66	HPT = (264+139+1.
C88 + 001 1 4 (8/8 - 8/8 ) 4 8 8	Fog R = 3:
TOOL SOME OR BOOK SOME	
12 = 201.5	HPT = (264+ 139)/2
COPL - OS ) + Copy - OS ) - TO SEE THE	ВНК: 4
000	Fot &=2:
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Date / /	Date 1