```
1) \delta = Morch 31,2007
b = April 24,2007
c
d = 10,000
e = 10,090,9564
f = 30,603,2679
g = 20808,8514
h = 1140,5608
i = -8941,5066
```

2) DATE (Start-Date, A21\*12) (Because of Annual)

b. EDATE (Start-Date, A31\*6) (Semi Annual)

2). D. WORK DAY (EDATE (Start Date, Az1\*12),

6, WORKDAYCEDATE (Stort\_Date, A 31 \* 6), O, Holiday ! \$A\$1:\$A\$56

C. Notional\_Amount \* PayFixed (Annual)

d. 2,500,000

e. Notional-Amount \* Previous\_LIBOR\_fixing \* 0.5

f. (Notional-Amount \* Pay-Fixed) \* VLookup (B21, discount Factor 9, -76,173,943

h. 78,033,435

f. 1,859,4921

3. 2. 
$$At = OPTION (ife / Steps)$$

$$= (0.08333)$$
 $DF = e^{C-rAt}$ 

$$= 0.99992$$
 $CU = e^{(VOI \times MT)}$ 

$$= 1.05638$$
 $CU = 1/U$ 

$$= 0.94663$$
 $CU = 0.50529$ 

$$\begin{array}{l}
b, V_1 = MAX (S-X_10) \\
&= 9,81 \\
V_2 = 6,04 \\
V_3 = 2,66 \\
V_4 = 0 \\
V_5 = D + \times C P V_1 + (1-P) \times V_2 \\
&= 7,93 \\
V_6 = 4,36 \\
V_7 = 1,34 \\
V_8 = 6,15 \\
V_9 = 2,86 \\
V_{10} = 4,51
\end{array}$$

 $-.3(C) d_1 = 0.1503 + C0.025 + 0.025$  $0.101 \sqrt{0.25}$ 

= 0(163>

d2 = 0,101 Voi25

= 0.0687625

 $N(d_1) = 0.734984$   $N(d_2) = 0.734984$ 

f). For given Period to option expiry
abino mial Model will converge to Black-Scholes
model as the number of branches increases.

 $4 (3) \times t = LN(St/St-1)$   $\times_{1} = LN(35.85/40.25)$  = -0.115766