

Students may monge 50 bytes of one obj with another abi to fill the prof full.

IRTT Obj., 0652 obj.3

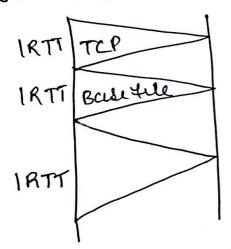
IRTT Obj., 0652 obj.3

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IRTT Obj., 0652 obj.3

IRTT Obj., 0654 obj., 0655 obj., 0657 obj., 0655 obj., 0655

(b) Persistant with pipeling.



1 Marks

window like was not given in all objs can be occeived un IRTT.

Con case istudents attempt some other way of discuss

```
Solitiona: Given
                   cache hit sale = 0.65
                   Regs/sec = 20
                  Obj size = 15000 bits
                                = 10 x10 bps
              4 Juste
              L_ (Access link) Rate = 2 × 10 b/s
                                = 45
              RTT (Internet delay)
            Aug Access delay = 1-AB
                                \Delta = \frac{15000}{R} = \frac{7.5}{1000}
                                          Z 0.0075 - mark
    Not required. \beta = 20

... AAD = 0.0075 = 0.0075 = 0.0075

1 - 0.0075 \times 20 = 1 - 0.15 = 0.85
                                     = 0.0088 (akkerex)
      Total Avg RespTime = 0.0088+4
                                  = 4.0088
Regs/sec in case of cache Miss = (20)\times(1-0.65)
      AAD' = \frac{0.0075}{1-0.0075} = \frac{0.0075}{0.9475} = 0.0079 (akknox)
   Total AvgRes Time = 0.0079+4
                       = 4,00795
9n case of cache Hit (Assuming zeowousbrime with obj

found in cache)

Total Response Time = 0.65 x 0+ (1-0.65) x 4.0079 -2 mans
```