23-52-03 Q(a)(i) attack (ii) code (b)(i) DDOS (ii) Dos

(ili) Dos

Solution (a) (i) 1) concept: trial and error method in which the attacker uses every password that is possible until the correct is found

Demonsures: choosing strong, mixed-character password.

Changing them regularly, never re-using the

sume password on multiple system.

and avoiding visible password hints.

9007 199 255 60×60×24×365 = 285.6164 year

around 286 years

(b) (i) Definition

Distributed penial of Service attack is

attackers use multiple compromised systems

to lauch this attack

@ prevent.

(1) Run a traffic anlysis to identify malicious traffic

(2) Understand the warning signs

(4) Outsource Dos prevention to cloud based service providers.

(iii) pos

@ packets numbers = 500 x 66

25 to x 6024x8

= 238.4186

around 239 packets/second

(iii) packets numbers = 5 x 109

512 x 1024 x B

= 1192.0929

around 1193 packets/second.