Stepan Turicin 26123036. 1004 1PV6 2001:0868:85 03;0000:0000:8 012e:0540:4311 192.168.0,1 0-255 0 255 0-255 0 255. O-FFIF. 1 segment = 16 bit. 1 segment = 8 6it. 4 WELLEN 16 bit . 8 = 128 bit. 4.8 = 32 61+. Zadatak 1. 1pv 6. IPV4. [2'=n.] 2118 2 4340 · milijard · milijard · milijard 232 = 4.294.964.296. milijard xombinacija . Zadaetax 2. Dano. Resenie. Deanh = 12 456 km. With the state of r=12456.2=6348 tom. Vs/ 14 23 48. 6348 - 28 402 Km2 = 28 402. 10 1 14 - 2,6 402. 100 m2. MINN = 4,2.103. niove = 3,4.1038 Tensos Psph = 4. TT . + 2. bit na mi Zemlji PSPh = 4.3,14.6348 = 510 926 783,04 Km2 2510.10 m2 = 510.1012 m2. 20 IPV4 i ipv6 =5,1.1014m2. beressalm 20 OPV 4: 4.2.10 2 0,82.10.5 adresa na m² za iN4 adresa/m² za 1PV6. 5,4-10 \$ 20,67 · 1024 = 6,64 · 1023 alresa na m² ea iPV6.

1 = 12420 1 - 102 to M Mipu =/4,2-109 Vapa = 4 . TT 18 Paph & 4. TT . 12. Mipro = 8,4.1038 Psph = \$,1.1014 m2. /- 12 Zatatka 2. advesa na m³ Vsph & 4 3,14.63783 = Zadatak 3. Pano r=1,48.108 km=1,48.10 11.m. du = 1,49.108 xm Paper 4.2 - Tal Vsp4 = 3 . 3,14. (1,49-10")3 2 238 20 m2. 1,4.10 24 m3. Nipve = 3, 4-1038. Psph. = 4.3,14. (1,49.101)2 2 2,81.1023 m2. davesa na orbitu zemlje za mi ims. advesa na orbiti po Psph Za IPV6. 2,81.1023 = (1.21.1015) alvesa na m2. abresa unutra pobiti po Vsph ralpu6 3,4.1038 = 2,43.104) adresa na m3 Zadardak 4. Pono Lesen, 1. Q4 = 5,3 10 12 km r=5,9-1012 4m2 = 5,5 10.5 Nipre = 3, 4.1038 PSPh = 4. 3,14. (5,9.102)2 2 434p 4,34-10.26 M2. divesa. na possine. adresa puda na povisinu ster Plutonove aviti IPVE plu + onove orbite m2 4,34.10° = (7,48.10.18.) advesor no me. Zadartock 5 Lesenje. Paus au 29,46.10 5m. Psph = 4.3,14. (3,46.1015)2 = 1,12.1033 m2. Nipro = 3, 4.1058 advesa pada no poursinu stere svalosne you've ipus odvesa na povisine 3,4-1038 23,04.105 alresa na m2. suttlosne poline ipul

Zaderan 6

Dano. 94 = 4,01.1016m. Nipu6 = 3,4.1038

adresa ha povisini ster mereney polypreinte merenog od sunca.

Resenje:

PSPA = 4.3,14. [4,01.106)2 = 2,01.1034 m2.

alvesa para

2,01.1054 = (1.68.104) adresa po m2.

Zadatak 4

Dano Paisek = 3,08.10 16m.

Niere = 3,4.10 38. sv. galina = 9,46.10 5m.

passed i su godina nu 1 ddresg. po m2 ..

Resense

RSFAR =

An = 3,4-1018 = 1,06-1034 m2.

Poplar of From

Zox svet. godine milius.

1 sv. yodini? = (9,46-1015)2 = 8,94.1031 m2.

Psupolina = 1.06.1034 & 1,19.105 Sv. godina2.

za parsek.

1 parsex 2 = (3,08.100) 2 3,53.10 32 m2.

PPRISE = 1,06.1034 = (110,0 parsex 2...)