Euse por rpo gusconceseure o orpegeneno done mponglosa nono

pagyupolano, Turernerino, accosus ruluo, "eyhy kommyra mluo · Pyet mopulation (f - romanoployou laorers) e eeue A-kommy varubne noubso, TO H'(X3A) - A-anneya ecret X-ma voe komparitore morosop yne, opnen folarnoe (mo o kontro koppyrenensol (2), 70 ynnomenne Hoarcibenso orepayme hepecereme suknob Приперы: • H*(СРМ) = TZ [Le](ими), и = [RPM-1] ЕН (СРМ) · H (RP, Z2) = Z2[w]/(whr), w=LRPh-1] + H1 (RP, Z2) e Nove monopouzur y b-an Krennera H*(X) & H*(Y) -> H*(XXY) - roanomoppegen koney H*(SM x S") = <1, a, b, ab=(1)mber), a2=12=0 a=pt(qt))
Innomenne b H*(ZX) +public hope Pi: H*(Sm) > Hw/sm/sh · Varnonne le H (ZX) +publica hopo

léopeurs begy flxy), g(x,y) - usuororuenos comena re bonne mun, coobberebenho, c 11 50 resumment 100 4 per guest aven Torga cucrena ypalonemi fley)=g(x,y)=0 melet M.n pemenne Dorazaranelleso. Ce 2 (f(xy)=03 CCP2, C= (g(xy)=03 CCP2 6 4-repros 10 CP2 To magkue 2-nephone vogarhondspagar # C10C2 = [C1] · [C2] = H (CP2) = Z Ho [a] & HR (apr) = 2 => [Ci] u [Ci] u [Ci] upohopsenomans un u= [CP] Mbn y Bepringaeur, no LC,) mu, CC2]=nu => (C1)·[C2]=mnu²=mn (pt) Borekaer us racinoro emprane respensos begy, norga m um h poblios I, kotophin choquère « ocnobre à Teophine arrest"

62,4 hoers pumbre 62,4 hos Lusismenue & H(Qy) n 0 2 4 6 8 Hr(Gen) 2 2 22 2 Oбразугощие 1-6, 6, 5,51, 621 6=4 Pockonsky up negrady vot Tonsko YETHER MORECOI, y enhowmence, rommy saturbano Tabauya y enomenne (que ceverapa) $6_{1}^{2} = 6_{2} + 6_{44}$ 9 $6_{1}6_{2} = 6_{1}6_{11} = 6_{21}$ $6_{2}6_{11} = 6_{1}6_{21} = 6_{21}$, $6_{2}=0$ 2, Cuegebone $6_1 = (6_2 + 6_1)^2 = 26_9$ Dare obejen replepen upearens & CP3 unelse pelno 2 upenone, répeclearongue le 4 grantie.

Knacentiname ot of pamenin S' -> S' Xonpa S3 C C (21)2+1221=1 Mpunep: pacanoenue p: (3132) 1-> [21: 32] & CP1= 52 Yth. Omospaneme f:53>5° c mornocro do romotorne enaccentrafyota senoruellennora napanegou, Hazbi balulour un bapación Xon pa h(f)+12 · T3(5)=T12(5)=7. 270 zuanut, no bækne orospaneme f:53352 romotorno Komrojusiue $S^3 \rightarrow S^2 \rightarrow S^2$ paramente d'orsopamente Xonda Caenen * nyer f-magko. Torga gne souseir roven a 65² upulare f'(a) c55magkare (masof opnesetapolarnos expymnostruit) h(f) = lk(f'(a), f''(b))Braciliossu, enou pacemoenna Xonopa zevennengs nonapao

Koromonorureckas unrepréparant penbepauxe Xonte Ucnortsyem f gre npukreisker k S2 4 neprøvi kretku Oboznamm pergattat repez X. X = 500 0 520 64 Bonn f-pacamenne Konga, to X=OP Aggustu buare spytha Hy(X) Z 0 Z 0 Z Hy(X) Z 0 Z 10 Z Hy(X) Z 0 Z 10 Z (Ko) romonorum He zabucut of f Konsiseban etpyktypa $6H^*(X)$ zabuciet of fOSoznamin $46H^2(X)=V$, $v=H^4(X)=V$ oSpazyrousue.

Torger u2-h 25

0800 genere jannomerune Byco. (Y,X) - Tonorouse case hapa. Ymnomenue oupegewetto & otnocuteubux koronorousex H*(Y,X) Uneet al Soace obiesel juno neme (zagaemer pobro mon me konempjamen) H* (X, A) & H* (X, B) -> H* (X, AUB)

Ono He choquire « y unomenuo 6 Rosa no no no no max ognoro spocmparemba (rapor) H*(X, AnB) & H*(X, AnB) >H*(X, AnB) Teopenes Mycoo X = A, U. .. UAn, roje kambe us A; crembamo Torga CHT(X) uporglegence motoret h unaccol nodomutelluca pazvepho con palho hydro. Dorgraneus estes sinanula Tyrknansus: H*(X,A) & ... & H (X,A) -> H*(X,A,U..UA) = 0 $H'(x) \otimes ... \otimes H'(x) \longrightarrow H'(x)$

Kaseropus Mocrepunka-Ulrupensmana cat (X) — untransman n, takoe, voo X= UAi, Äi-erembaen Rosomonomerere gruna len (x) - norkemantible k, takoe, voo Fully the (X), i=1,..., K, tower wo le un to the to Tegens (X) 7 len (X) +1 Poregue guparmiente (gas Cenemapa) - poblepato; roo repabilitables tornoe que donoveros zalaca proexpanció - espepos, ropa, poentubnoso supocrpancióa Cen(P") = n => cat(P") > n+1 $en(T^2) - 2 \Rightarrow cat(T^2) = 3 \Rightarrow as 3$ Eapt