

Jorga f: C - S = | | X | 1 x , J.S-C= ||x||a x, x +0 Poreonoppusus 4) Ecry X=9 a X kommaet, TO 9 - Tome Kannakt, Г.е. из в покрытия открытыми могиль выдамов конечное roproseptitue. ; f. X-74 Tru. X- KOMMAKE -> FXEX Flim fxn = X, Xn EX, TORGO Cours romanopagement by Jelim of f(xn) = y, x e x on some your copepant bee closs repeatement torker, zameny a organismen. 5) X~y <=> => => (0,1) -> X:p(0)=X,p(1)=y 37p(2)= Lx + (1-1)y. Toyo (1) Money XNX , T.u. Xx+(1-1)X = X (2) X~y > y~X , T.K. Ly . (1-1) x Heap. 3) x~y~ y~Z -> x~Z, T.K. = p()=1 xx(1-1)y-y+1y+(1-1)z-= /x+(1-x) = memp, ~ p(0)=x, p(1)== 6) X 2 у том ками. вв-т X и у можно установить влекцию. 3 Kontanentheorn X: = X , UX: = X Porga f(li) = 9 " y f(xi)=9.

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Homework 7-15. (3) If, p. [0,1] - [0,1] fex) . x , gers . JF(x,t) = (1-t)x. Toyo F(x,0) = f(x); F(x,1)=0 ( meny orosp. cynjecobyet nenp. orosp. - our ranoronnes (8) Constructed - otto. = white-tu.

(1) \$ faf F(x,t) = Why f(x)

(3) \$ fag > 6 = f

(1) 1, g: X -> 4 4 F(x,t): F(x,0) = f(x), F(x,1) = g(x) > ] F(x,1-t): F(x,0) = p(x), F(x,1)=f(x) 129 3925 3 f = 9 = 9 = 1 : Ally = F(x, t) = C: F(x, o)=f(x) f(x) f(x) f(x) = 3H(x,t): H(x,0)= p(x); H(x,1)= h(x) Let  $P(x,t) = \begin{cases} F(x,2t) : 0 \le t \le \frac{1}{2} \\ H(x,2t-1) : \frac{1}{2} \le t \le 1 \end{cases}$ -3P(x,t). fah (3) Spaces are hom, equin iff Thix-y & k: y-x s.d. hok: y-y = idy & koh widy (1) X= X = H.p. X=X = idx, st. fop X-X=idx & gof: X > X widy Olivery. Mysky selfe





(14) 2. Sp. no na manthessantin - lilegerer Kon-Co chargiony Kominoment (Hanp. nouckan 6 mupuky)

- Regen Verni Sonsure opnos - He crambaensur - проверка на ререванность (спитаем вершины и регра) ecny  $V(x) - E(x) = 1 \Rightarrow courtbear.$ 200 Choba myen els nommenter. Econ renno ornitalità Estate B1 (X1) u B1 (X2) one warry. Evenimenta 15) Pauca expersor 1-d'un emernercob = ranca expersor partob a noopacuboen chezu memon cocepunium 2) Tobropsen, nova ecro вершины степени 20 (3) Gursen crenesse bepuner. Qui. crenence education - ranconophies.