Teon Fuzzy/Pertinua la -4/catatan

Revise Absurpsi tomplemenn ...

Ada seborape signat pada himperan tegas technic belaler pada himperan kabur gecara unun.

contoh 3.1 hal 31
$$U_{A}(1) = 1 \rightarrow U_{A}(1) = 1 - U_{A}(1)$$

$$= 1 - 1$$

$$= 0$$

iberati I blue anggot A lamplement.

$$4_{k}(2) = -3 4_{k}(2) = 1 - 4_{k}(2)$$

$$= 1 - 4_{k}(2)$$

Contin 3.1 had 31 birth rexisi

$$1 - \frac{x+1}{2} = \frac{1}{2} - \frac{1}{2} = \frac{1}{2}$$

and the same

I make the surpression of the ingression

Ind Fungs, Kennye todak Sign dicatula "segitiga", kra da terbelik kgitiga.

Tugi, \$

1.) Hupun kabur F Pada 18A18 I cari persanaran templemennya lalu gantar ken tedua - duanya (Tay tok buplanen dan ya (complemen)

Reptito Golengen productinpuran todas tegris adulah ...

 M_{N} D: $A = \{1, 3, 5\}$ $A = \{2, 3, 5\}$ $A = \{1, 2, 3\}$ $A = \{1, 2, 3\}$

Hompuna kabur unum pasti bulaku jada himpunan tegas, tetapi tidate pena Yang berlaku pada himpuna tegas berlaku jada himpunan kabur unum

Jagen a hol 34 Tabbal Hilan pada hompunn teggs berlake pada himpunan leaber dishapings

Persi UB(x) honsinge MAUB(x) de des 3-1.80 Irosen-(Reggy))

Tugas

2.) Hupunan Kabur A Langu MA(x) = Segitige (x; -1,1,4)

dan hupunan kabur B denge MB(x) = Jegitige (x; 0,3,5)

Pertanyani

9.) Tentilean MATH MAUB (x) dan MANB (x)

Crentu nelalur 3 langua separti pida naskri ",

1.) uraika pr-Samaray.

2.) Garbar dan tandai grapile trisan de quapit gabuna

3.) Tulisland prosonen brodosarborn grafabys.

Hint: Hati-hati, komma grapile gebing me mayon ivisin

bulean tempeson atau segition. Schinger macani

prosonomny of take bulch language traceout runs trop or softiga,
but paikai persaman cyaris maybe.

and the Wagner of the Langer of the American

b)

3) Pengan Soal your sina pada hat 37

a) tungula bahua:

(AMB) C = ACUBC

b) throlder pola book
Fr (FUB)=A

4) - Buktla Wen - holen pada La perta GAB III

Cathan (1111 12) pages (1111 12 get 1 most) ingresting contoh 3.8 () can I A dan B (ky) ~ = \(\lambda(1,0.8),(2,0.5),(3,0.8),(4,0),(5,0.3),(6,0.7)\) B° = {.(1,0.7), (2,0.3), (3,0), (4,0.3), (5,0.7), (6,0.9)} TUB = \$ (1,0.3), (2,0.7), (3.1), (4,1), (5,0.7), (6,0.3) } $\tilde{\lambda}^{c} \cap \tilde{B}^{c} = \{(1,0.7), (2,0.3), (3,0), (4,0), (5,0.3), (6,0.7)\}$ $(\widetilde{A} \cap \widetilde{B})^{C} = \{(1,0.7), (2,0.3), (3,0), (4,0), (5,0.3), (6,0.7)\}$ Kesimpulan, terlibert bahwa Ac NBC = (ANB)C [Hukum Pe Movaka] > Jadi, hub. de Norgan trangato juga borlates de hospeness leaber (Tp 700 coma ilustrasse degle catch, bedon penbubtish) ear unum)

Dipindai dengan CamScanne

11 (12) 18 1/2/11

Mek , 30 + , 2 Maret 2021

Yq talk beloku do hupun = leabur=(1,2, Absurpsi da lumpha))
Yq lainayı bulatu

1811141008

Inanuel AS

TUGAS

(1) Hampuran kabur F pada BAB I , cara personnan komplemennya lalu gambarkan kedua - duanya (Mang tidak leomplemen dan yang leomplemen) Penyeleyaian:

Hungman know F = & 4 F(x)/x, dengen UF(x) Job-g-i beriket

Maka diperdet personan konglenen jebogai berikut

$$4 = (x) = 0$$

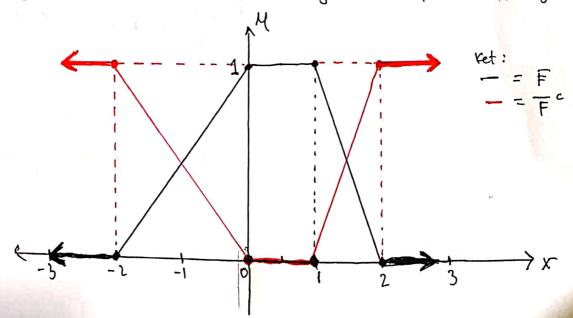
$$-\frac{x}{2}, \text{ jika } -2 \le x \le 0$$

$$0, \text{ jika } 0 \le x \le 1$$

$$x-1, \text{ sika } 1 \le x \le 2$$

Diperden Grafik (gubar) sebagai berikut:

Hubungan antere hampunen kabur F dengan F depat dilihat pada gambar baikai



Hompunan Kabur A dangen M x (x) = legitryn (x; -1,1,4) dan himpunen kalar I dengen ûp (x) = xgtige (x; 0,3,5).

Pertengen:

a.) Tentikan MAUB (x) dan MANB (x)

(Tento nelalui 3 langkah seperti pada materi, yakni:

1.) uraikan perjahanya

2) Gamber den tandai grafik injon den grafik gebingen

3.) Telistan personany berdesarten grafiknya.

Hint: Hatt-hati, kavar grafit gabungan maupun irisan bukan tempesilim ataupun segitiga. Jehingga mencari persamaannya tidak kulih langung mencari rumus trapesium or segitaga, but pakai persamaan gans naybe.

Penyaley (an

> Menulistan persunaan rungsi kegnggutaan

E- ---

$$M_{K}^{-}(x) = \text{Segitiga}(x; -1,1,4) = \sqrt{\frac{x+1}{2}}, \text{ files} -1 < x < 1$$

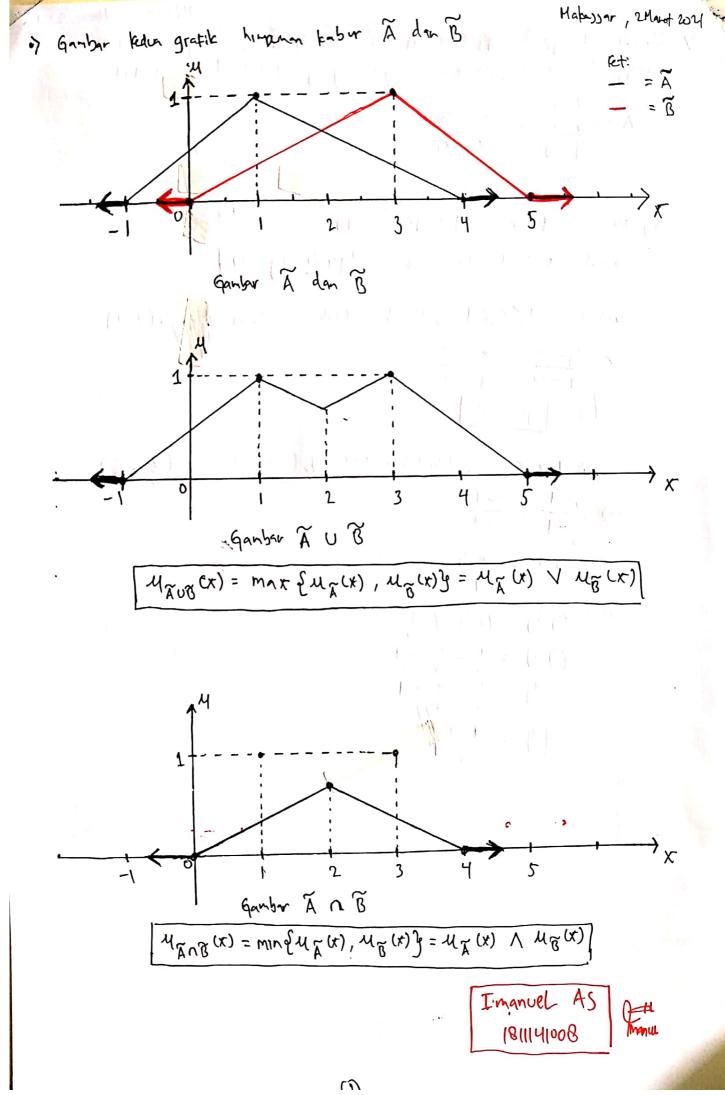
$$\frac{y-x}{3}, \text{ files} -1 < x < 4$$

$$4g(x) = legitign(x; 0, 3, 5) = 0$$

$$\frac{x}{3}, jikn \quad 0 \le x \le 3$$

$$\frac{5-x}{2}, jikn \quad 3 \le x \le 5$$

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until
$$-1 \le x \le 1$$
, diletahul titile $A(-1,0)$ dan $B(1,1)$
 $\Rightarrow \frac{y-0}{1-0} = \frac{x-(-1)}{1-(-1)}$

$$\frac{x_1,y_1}{y} = \frac{x+1}{2}$$

$$= \frac{y-1}{\frac{2}{3}-1} = \frac{x-1}{2-1}$$

$$= \frac{y-1}{-\frac{1}{3}} = \frac{x-1}{x-1}$$

$$y = \frac{4-x}{3}$$

Imanuel AS

Untile
$$2 < x < 3$$
, distributed in this $c = (2, \frac{2}{3})$ day $d = (3, 1)$

$$\frac{y - \frac{2}{3}}{1 - \frac{2}{3}} = \frac{x - 2}{3 - 2}$$

$$\frac{y - \frac{2}{3}}{\frac{1}{3}} = (x - 2)\frac{1}{3}$$

$$y - \frac{2}{3} = (x - 2)\frac{1}{3}$$

$$y - \frac{2}{3} = \frac{x}{3} - \frac{2}{3} + \frac{2}{3}$$

$$y = \frac{x}{3} - \frac{2}{3} + \frac{2}{3}$$

Untuk
$$3 \le x \le 5$$
, diketahui titik $D(3,1)$ dan $(5,0)$

$$\Rightarrow \frac{y-1}{0-1} = \frac{x-3}{5-3}$$

$$\frac{y-1}{-1} = \frac{x-3}{2}$$

$$2(y-1) = -(x-3)$$

$$2y = -x+3$$

$$2y = -x+5$$

$$y = -x+5$$

$$y = \frac{-x+s}{2}$$

$$y = \frac{-x+s}{2}$$

$$\frac{x+1}{2}$$

$$y = \frac{x}{2}$$

$$y = \frac{x}{3}$$

$$y = \frac{x}{3$$

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b) Mencari persinaan Fungsi keanggutean
$$A \cap B$$

untuk $X \le 0$ dan $X > Y$ diperoleh $Y = 0$

untuk $0 \le X \le 2$, dibetahui tifik $A(0,0)$ dan $B(2,\frac{2}{3})$
 X_1, Y_1
 X_2, Y_2

$$\Rightarrow \frac{y-0}{2\sqrt{3}} = \frac{x}{2\sqrt{3}} = \frac{x}{2\sqrt{3}$$

Until
$$2 \le X \le 4$$
, diletation title $B(2,\frac{2}{3})$ dan $C(4,0)$

$$\Rightarrow \frac{9-\frac{2}{3}}{0-\frac{2}{3}} = \frac{X-2}{4-2}$$

$$\frac{y-\frac{2}{3}}{-\frac{2}{3}}=\frac{x-2}{2}$$

$$2y - \frac{1}{3} = -\frac{2}{3}x + \frac{1}{3}$$

$$2y = -\frac{2}{3}x + \frac{1}{3}$$

$$y = -\frac{2}{6}x + \frac{8}{6}$$

$$9 = -2x + 8$$

$$\lim_{x \to \infty} (x) = \begin{cases} \frac{2x}{6}, & \text{ jilen } x \leq 0 \mid V \neq X \mid 4 \\ -\frac{2x+8}{6}, & \text{ jilen } 2 \leq x \leq 4 \end{cases}$$

Imanuel AS Att.

Dengan jual yang sama pada halaman 37 a.) Tur sukkan bahum:

(A)08) = A UB

b) Tunjuktan pula bahua:

(80 A) - A - (80 A)

Penyelexian ((1000) 1000) (1000) (1000) Piletahui himpunan kabur A dan B dalam semesta X = &1,2,3,4,5,63 yang masing - masing didefinisikan sebagai:

A= &(1,0.2), (2,0.5), (3,0.8), (4,1), (5,0.7), (6,0.3) } $\mathfrak{F} = \{(1,0.3), (2,0.7), (3,1), (4,0.7), (5,0.3), (6,0.1)\}$

a) Adit. (AUB) = A'UB'

Note that $?\widetilde{A} \cap \widetilde{B} = \{(1,0.2), (2,0.5), (3,0.8), (4,0.7), (5,0.3), (6,0.1)\}$ (*) > (A () B) = {(1,0.8), (2,05), (3,0.2), (4,0.3), (5,0.7), (6,0.9)} The state of the s

M Maliana Day Carly Jan Carly Carly

> ð = {(1,0.8), (2,0.5), (3,0.2), (4,0), (5,0.3), (6,0.7)} $\tilde{A}^{c} = \{(1,0.8), (2,0.5), (3,0.2), (5,0.3), (6,0.7)\}$

> B° = {(1,0.7), (2,0.3), (3,0), (4,0.3), (5,0.7), (6,0.9)} Bc = {(1,0.7), (2,0.3), (4,0.3), (5,0.7), (6,0.9)}

(**).... 7 ð U B° = {(1,0.8),(2,0.5),(3,0.2),(4,0.3),(5,0.7),(6,0.9)}

.. Pair personn (*) den (**) terlihat byhwa (708) = 7008°

Malcellar, 4 Maret 2021.

Note that,

$$(\widetilde{A} \cup \widetilde{B}) = \{(1,0.3), (2,0.7), (3,1), (4,1), (5,0.7), (6,0.1)\}$$

$$\mathcal{L} = \{(1,0.2), (2,0.5), (3,0.8), (4,1), (5,0.7), (6,0.3)\} \dots (*)$$

:Dari persamonan (*) don (**) terlihat bahwa

An (AUB) = A

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