4.54 Drug testing

Dik: • a heraif fort = 98%

- · musul relang second pergegura tertoban dan berein = 0,00
- · unmemorgation reloag error, draman & now fest
- . Then have down heden fest pada oray est some adoleh event belos, (P(ANB)=PCA) xP(B))

Dit: . are pelicy day evolg berthet;

- a) burn paggna, hedra testra gagal
- b) Penegroum Ketchen (Rengomen occur lady tes settlem (auli)
- c) Porsoner House keachen (lolos test)

hereig anoxist =
$$98\%$$
 - more = 00% = 1
 $x = \frac{100}{98} = \frac{50}{49}$

5.52 Mannoran diagnostic

Din: . Breast concer mimerosate 10 %

- · Paleary ments BC=1% 4 PCS1 = 0,01
- · Navan marginar hetter wanter bertentah for
- · fest town setous beneze 40 fg
- · manter gay mendastes mensus Pelieng 17 BC
- o typical values / Senetirks = 0,86 SPLURIO = 0,88

Dit: @ have distant pohon, Set person " breat Cancer", Set aday " mammagram Resul" - lace con Land a Par P (S 1 Ros) 20,01 x0,86

dan cen Premanan (alming sg.

2 0,0086

Anoga tathan R

4.6 Preshool or Not?

· member ser adu I dai 7 o sisua dan decomo Denderson bein aform Structorsebur pered he PAUD (Preschou) oten filot

Dit: a.) Bookiman kom oven merjolarun ekskertmen trig.

Le Ekspertmen tri montovon perconaan acon denskin homangkan Overt
Gang tentrih: lofi in den Peremban. Dondensan 2 hemanshin bochground:

Prestheol dan No Preschool

male < pre school | Striple epoch; add 4 }

Female < pre school | (MP, MN, FP, FN)

no pre school | (MP, MN, FP, FN)

() Afterpay Curoun fatel anoun moneupoken pelay para lacent di mon B

		Gerder		* Peleanz:
7		mule	female	·P(mp)= 8 ·P(fp)= 2
5	Preschool	8	9	TOP OF THE WAR SHOULD S
	No Preshood	٦	2	8 ·P (mn)=6 ·P (AN)= 2
		14	11	26

4.51 Misal P(A) = 0,4 den P (A NB) = 0,12

DIA: 0) Tenan P (BIA)

Le P (BIA) = P (BNA) = 0,12 = 0,3

P(A) = 0,4

b) allowed fronts Adea B sourge lefters?

Le Segures Sourge lefter adalan P (ANB)=0

Le hance P (ANB) memilining of 12, man Adea B Hodal solly

Lefters/

() That P(B) = 0,3, along events A dan B behas?

(.) P(B|A) = 0,3 (-> P(B) V

.) P(A|B) = P(B \(\Pi\B)) = \frac{0.17}{0.3} = 0.14 (-> P(A) V

P(B) = \frac{0.17}{0.3} = 0.14 (-> P(A) V

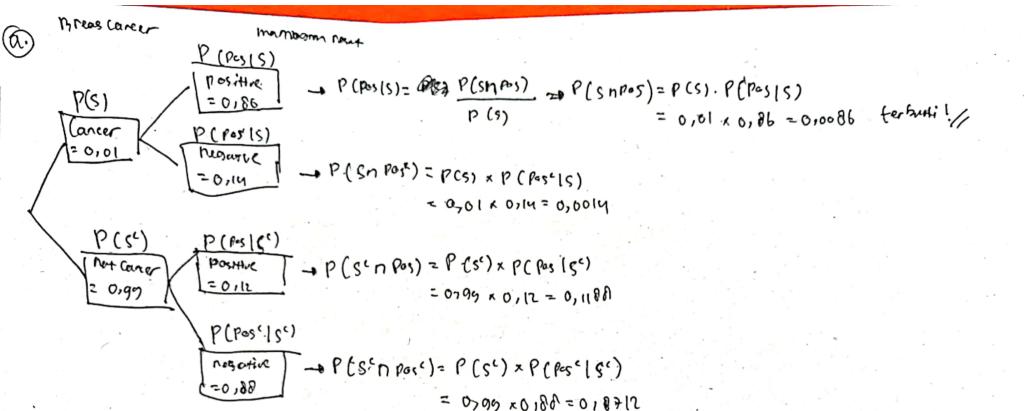
·P(ANB)=0,17 (-> 0,4 × 0,13 = P(A) × P(B) V

Lomahu events Adam B hoteperden (Betons) for

Lomahu events Adam B hoteperden (Betons) for

herr

herae



le hurry warm server 0,08 man mons digour de Seostra /

(Money det Palany borsipron sy sally bobbs (P(ANB) 2P(A).P(B)) 546 Bayes' Rule - Stree PCA), P(BIA), dan P(BC/AC) den erdeni, tool too P(AIB) P(AIB) = P(A 1B) = P(A) . P(B) = P(A) , P(B) 70 DH: 6 . Guroun deplois Pelmany burbandis centre P(A1B) dan P(B1A) · Selayun Kinf P(A1B) = P(AdanB) = P(A).P(B1A) Ither, helpadan Adam B Suly Behas maker: P(AIB) = PCA). P(BIA) PCB) PCB) PCB) (b) Pran over B you metal dalan 2 bushin. Rea = P CH . PST. Co ARubah A manal, solaskan ben ben P (B) = P (B dan A) + P (B dan A') (General Stages booten (dan de First Pelang bernares, selation 4 selvingga P (A 16) = P(A). P(B(A) adolah Bener P(B)= P(A) P(B(A) + P(A')P(B(A') (b) P(B)= P(B n A) + P(B n Ac) a.) Kombinastian disan apa song di turjunan para basta (a-0) = P(BTA) + P(B) - P(AAB) Jelosten bana P(A1B) = PCA) P(BIA) = PCB) P(A) P(BIA) + P(A) P(BIA) LA Dodi, P(B)= P(BNA) + P(BNA) adden brown (C) P(B) = P(A) P(BIA) + P(A) PEB(A) (A/B) = (ADS) PCB(A) = PCA MA) = PEAT (CANAD) + PEATS PCB (PCB) + Simy dy pagning in p(A DK) = P(BLA). P(A) = PCBAA) + P(B) - PLBAA) = P(B) / terbunt beray

Scanned with CamScanner

Theohia Viorta	
(b) memisohran kapadan B menjadi 2 bagian manurus A, Jeleskan mangares	
PCB) = P (BNA) + P(BNA)	1
La Ang:	1
PCB) 2 (P(BNA) UP(B NA'))	1
PERT OPOSIPORT	
2 P (B)	
Macrosyreway Vantan & dan de trans telago bersigon selaylan	
Organic PCBY 2 SCAS SCAS SCAS A CAS . PCB. FAS	(
d. menogabangum bocstan d-c, sdeguen techniq	-
PCAIB) = PCA) · PCBIA)	
PCA) P(B(A) + P(A) PCB(AL) - p formelle boston (
PCBNA) + P(BNA') - Promules boston 6	
PCB) - PCBIA) - p formula (a)	
(p P(A1B) = P(A) Hu sesueri denson teori Reling bosing	

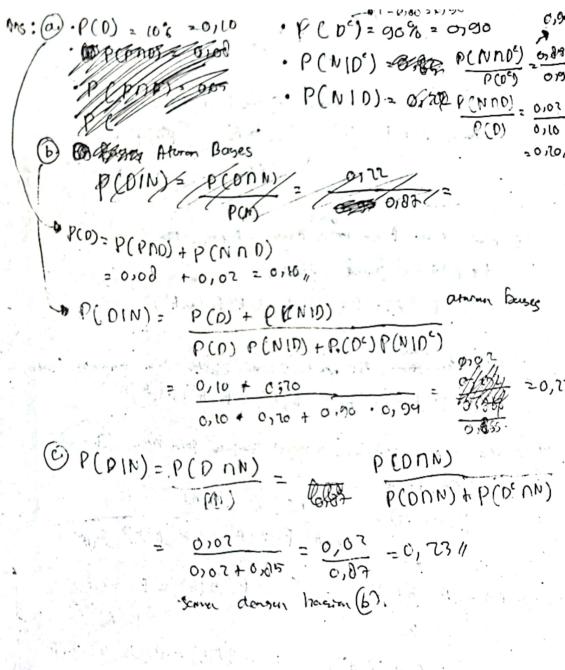
4.79 Screening Total

- · musulkan Sunn Ponyout = 10% day Pollani.
- · ada fost gam and Kanal Athangan Screenly Itm ada Changaman)
- . don twandom have test a possific herea present the mencel

	, ,	12	_	
	is .	positive)	Negative	
Co of the Contract of the Cont	Present	80,0	0,02	0)10
d	Absens	අති	0,8	0,90
		0, 13	0187	

8/35 6/82

- 6.) + oning pelang: P(D), (D) P(D), P(NID), P(NID)
- (b) Guran Bays dan hacker der Der hayton (c) until mengrusan
 P(DIM) Baganga Barra Valor Suran successor hearts
- (Januaran Norses Same day boostons)
- de temenan Pulmany dani poutit palse, bound test terseme poutité, disservement dans orang any bresses personne negotite
- diberten dani Oraz gy her Person
- Pedui termy peakities dans Screenz method ? Delagram



- P(P|D') = $\frac{P(P \cap D')}{P(O')} = \frac{0.65}{0.90} = 0.056$
- Pelney Negatif Palsu! (for negatif days oray by below berforms P(N|D) = P(M|D) = 0.02 P(D) = 0.10
- Para backan of, what Permy Poster Palsa (hour fost Partit back oray by holos persons)

 adalah Sebarar 0,05 arasa 5%. Orthun Permy kapadahan dari Screenia taki
 Intermed hear, hava 5%.

Matter Namen Pada hardran 2, Pothis Pedang Negarita Palsa (Nostlifet negarita buei org

terled hisa diblay mouth color Reliabel.