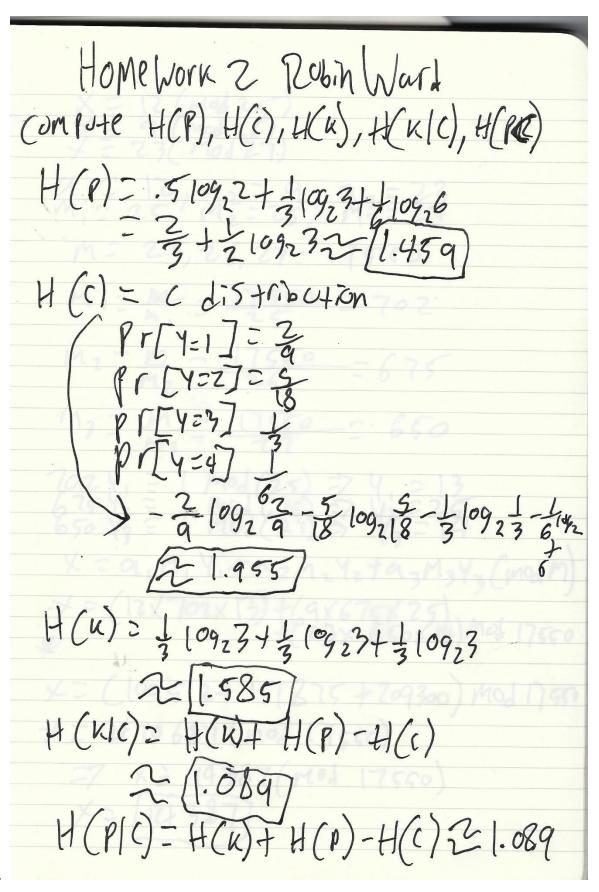
HOMEWORK 2

ROBIN WARD

COMP 7376

3/11/2020



a = 12, a = 9, a = 27 m; = 25, m = 26, m = 27 M= 25,26,27= 17550 MIZM = 17550 = 702 7 = (12×702×13)+(9×675×25) +(23×650×14)Mod 17550 X= (109512+151875+209300) MOd 17550 X= 470687 (mod 17550) =7 X= 14387 (MOJ 17590) X= 14387

A.
$$l=277$$
 $a=2$
 $-a^{32}mol P=2^{32}mol 227=176=2^{4}x11$
 $-a^{40}mol P=2^{40}mol 227=10=2x5x11$
 $-a^{50}mol P=2^{50}mol 227=60=2^{2}x3x5$
 $-a^{50}mol P=2^{50}mol 227=28=2^{2}x7$

B. $109z=1$
 $-109z=1$
 $-109z=1$
 $-109z=1$
 $-109z=1$

3.

4.