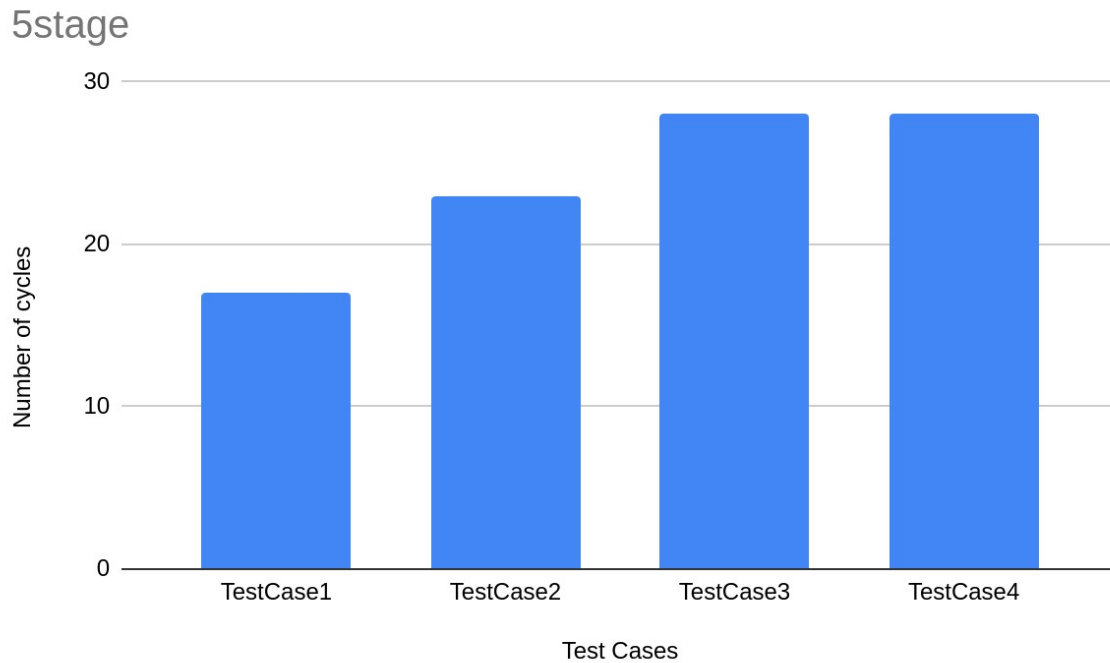
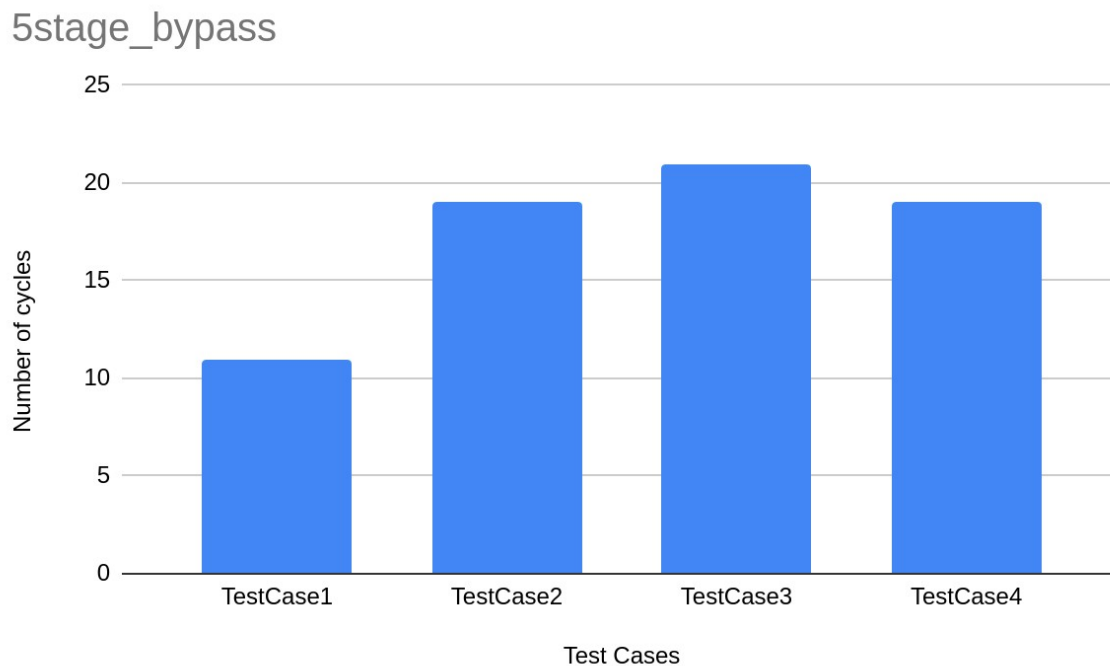


**COL 216 Assignment-2**  
**Rishita Agrawal(2020CS50439)**  
**Rajat Bhardwaj(2020CS50436)**

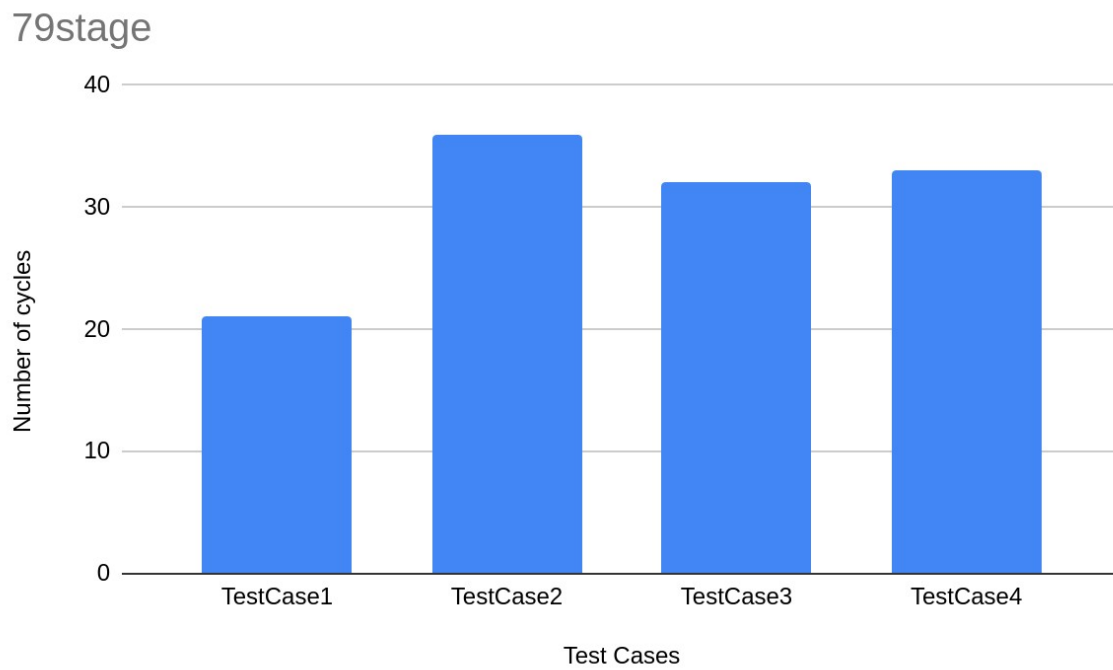
**1) 5 Stage Basic MIPS pipeline without bypassing**



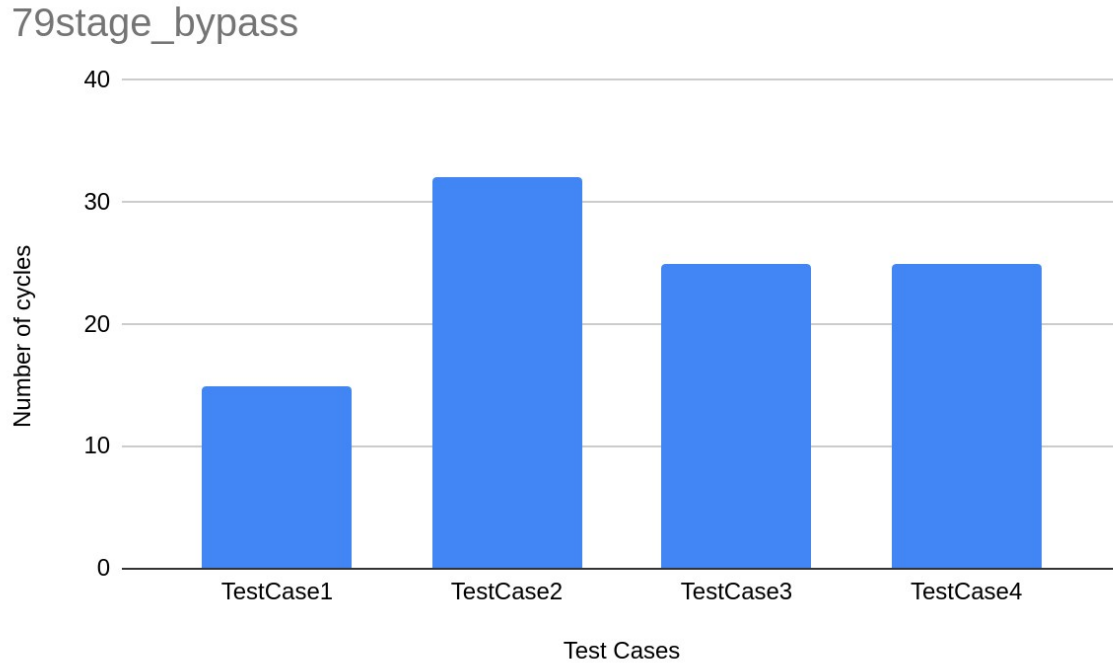
**2) 5 Stage Basic MIPS pipeline with bypassing**



### 3) 7-9 Stage pipeline without bypassing



### 4) 7-9 Stage pipeline with bypassing



**Branch Predictor**

Type	Value	Accuracy
Saturating bit counter	0	79.0146
Saturating bit counter	1	83.9416
Saturating bit counter	2	87.9562
Saturating bit counter	3	86.6788
BHR	0	72.4453
BHR	1	72.9927
BHR	2	73.3577
BHR	3	73.3577
SaturatingBHR	0	82.2993
SaturatingBHR	1	84.3066
SaturatingBHR	2	85.9489
SaturatingBHR	3	84.6715

**Percentage work split -> 50 – 50 %**