## HW 4

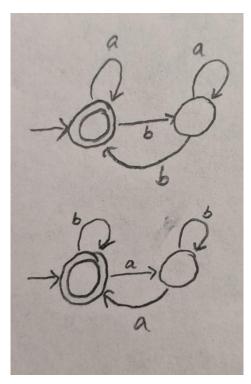
```
1. ^a*(ba*ba*)+$|^b*(ab*ab*)+$
```

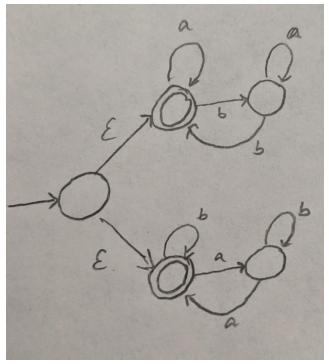
```
2. ^s*\bigvee^*(\*(?!\bigvee)|[^*])*\bigvee^*\bigvee^*
```

3.

4. In the .hs file

5.





6. Start state = A, accept state = G

State	ε	Χ	Υ	Z
Α	В	С	F	
В			Н	G
С	Н	С	Α	
F		G		G
G		С		F
Н	С	Н		Н

State	Χ	Υ	Z
AB	СН	CFH	G
В		СН	G
СН	СН	AB	СН
F	G		G
G	СН		F

Start state = A, accept state = G, CGH

Χ	Υ	Z
CH	CFH	G
	CH	G
СН	AB	СН
G		G
СН		F
CGH	AB	CGH
СН	AB	CFH
	CH CH G CH CGH	CH CFH CH AB G CH CH CGH AB