

	CT(EAtts(Reg(S,C))   Reg(S,C)=F)			
count	Int(S)	Rank(S)	Rating(C)	Diff(C)
4	3	1	3	2
1	2	1	3	1
2	1	2	3	2

CT table subtraction

	CT(EAtts(Reg(S,C))   Reg(S,C)=*)			
count	Int(S)	Rank(S)	Rating(C)	Diff(C)
2	3	1	3	1
2	3	1	2	2
1	2	1	2	2
2	2	1	3	2
1	1	2	3	1
1	1	2	2	2
4	3	1	3	2
1	2	1	3	1
2	1	2	3	2

	CT(EAtts(Reg(S,C))   (Reg(S,C)=T)			
count	Int(S)	Rank(S)	Rating(C)	Diff(C)
2	3	1	3	1
2	3	1	2	2
1	2	1	2	2
2	2	1	3	2
1	1	2	3	1
1	1	2	2	2

marginalize (sum out)  
RAtts(Reg(S,C)) =  
grade, sat

CT cross product

	CT(Int(S),Rank(S))	
count	Int(S)	Rank(S)
2	3	1
1	2	1
1	1	2

	CT(Rating(C), Diff(C))	
count	Rating(C)	Diff(C)
1	3	1
1	2	2
2	3	2

	CT(EAtts(Reg(S,C), RAtts(Reg(S,C)))   Reg(S,C)=T)					
count	Int(S)	Rank(S)	Rating(C)	Diff(C)	grade(S,C)	sat.(S,C)
2	3	1	3	1	A	1
2	3	1	2	2	B	2
1	2	1	2	2	A	1
2	2	1	3	2	A	1
1	1	2	3	1	B	1
1	1	2	2	2	C	2