

Bouquets over bouquets

July-07-11
1:07 PM



There exists a "composition":

$$A_n^K \otimes A_m^n \rightarrow A_m^K$$

| There is likewise
 A_G^K for any
group G .

Question. What is this the proj of?
Is there a homomorphic expansion?

There is also a V -analogue, V_n^K , and a composition

$$A_n^K \otimes V_m^n \rightarrow V_m^K$$

(But no $V_n^K \otimes V_m^n \rightarrow \text{any}$ or $V_n^K \otimes A_m^n \rightarrow \text{any}$)

Question. What is this the proj of?
Is there a homomorphic expansion?

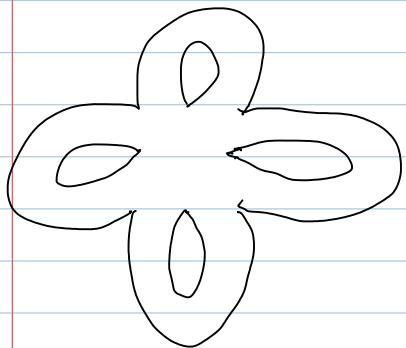
Question. Is V_n^K a subquotient of A_G^K
for some G ? For $G=F_n$?

More reasonably, V_G^K may be a quotient of

$$\bigoplus_n A_n^k.$$

Question. How exactly are virtual knots a quotient
of "knots over a bouquet"?

Question. Are there t/d pictures for
all of the above?



Oops, no v-knots can be
drawn here.