On Mtr's and generalis of attempting Morris Multiple reta valves: alterenty.

Si NS:

Most (-1)

Si NS:

Most (-1)

Call Sithtsd = weight, d = depth

MAVS studied by Enter, d = 2

Resugence of Egger and Idlman N1990 Recently: Hoffman muestrated on odd went $t(s, s_d) = \sum_{1 \leq n_1 < \dots < n_d} \frac{1}{(2n_1 - 1)^{s_1} \cdots (2n_d - 1)^{s_d}}$ Eosyndhy Andred by Melson & d=1? Why -

MEVS and multiple parties in ceres of scales of scales approach Value. Source of some easy-sourching v-herel

Problems:

Source of some easy-sourching v-herel

Brokers:

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Source of source of source of sourching v-herel

Brokers:

Source of source 1873)? Instruct ~1970 Apren By introducing earlier structure (Va multiple yerdoles) morre we set some morrier Mers stay man relations:

Sign ment 12 expect

2 possible reduces to only 2

(inc LLL, her algebraically!

Source of mon (all?) roketions; = 3(s, r) + 3(r, s)5=r=2 → 25(2,2) + \$(A)-Multiply as interes son 3(s) = (-1)S = (-1)S0<t,<--<t,<) 5(2)8(2) = 45(13) + 25(2,2)Shope Oct, Ct2C)

 $50 \quad 43(1,3) = 5(4)$ Regulersoter to hardle SI = 1. Some experioration (LLL to find dr=dm (Merht R m2vs) $= d_{k-2} + d_{k-3}$ $d_0 = 1 \quad d_1 = 0 \quad d_2 = 1$ Coyedre (Walmer) ore a hoss for M2Vs,

1

Thm (Brown) $5(b_1, -, kd) \quad b_i \in 233$ sper pro spece of MZVs ore a bosis for space of Mahric Mals Recently: Mu (Muchans 21) $t(h_1, h_2)$ $ki \in \{2, 3\}$ Spen the space of M2Vs boos for space of matrix M2Vs \sqrt{M} i) t(k1) kat1) kie [1]? ce their osno to Sata has agestic)

(i) (k_1, \ldots, k_d) $(k_i) \in [1, 2]$ Spend spendy M2Vs Prod Stotery (in Brown's Ose for simplicity). Ingredient 1: Identify $\frac{3(2n+1)}{3(2n+1)} = \frac{2n}{2n} \left(\frac{2n}{2n} \right) - (1-2n) \left(\frac{2n}{2n}$ 3(2k)= 2k (2h+1)) by Degree - magic

 \leq 1 ... \cap \cap

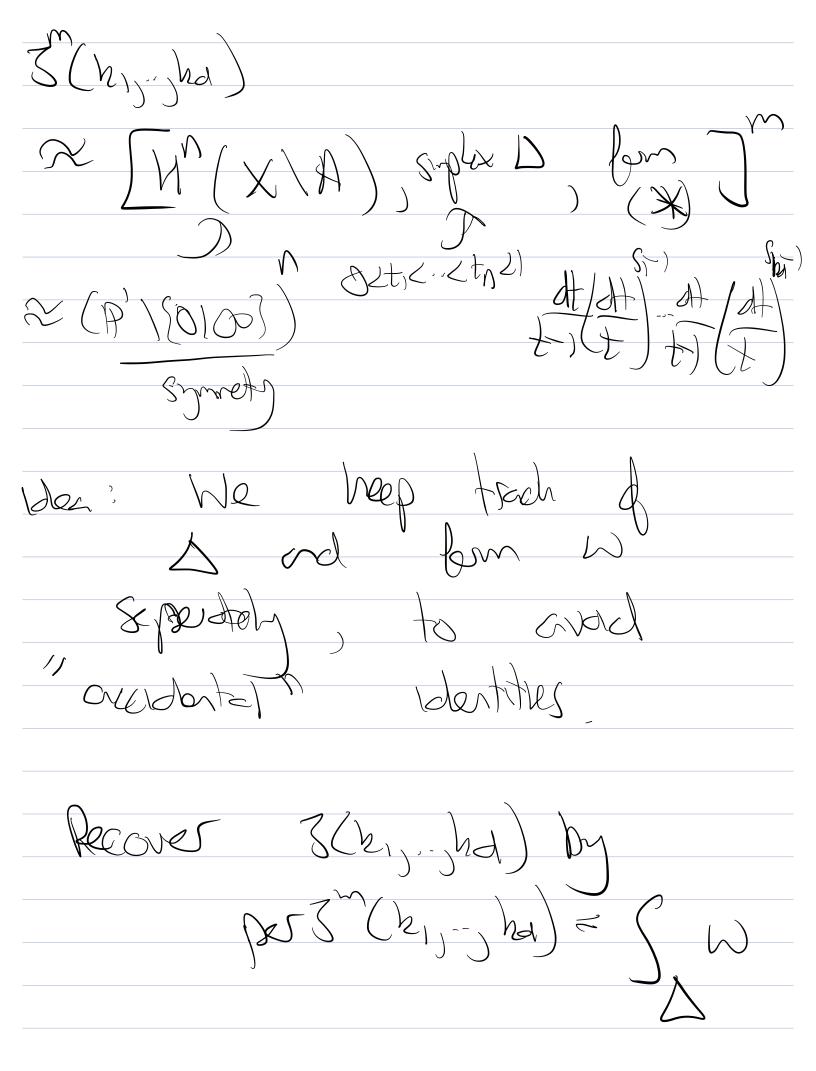
asoso = Hypercometra 2) PUS & y = 2 sint cosine x digmina Y(2) = de los (2) i) granh Corditors

ii) agreement for (x,x),

ler (n,y), (x,k)

2 => sgreanest eventure. identity of t(232) by Muchani

 $t(2^{5})$ by (reedy Some complete proportes t(2-21) is sherent and reed regularsater; molndes Salq2 × t(26) 85 1852 + (Da) Savoral Jangth Ingredent 2: Bloch hex, $5(h_1)$, hd)3 (h) -- ha) Algobra Archite

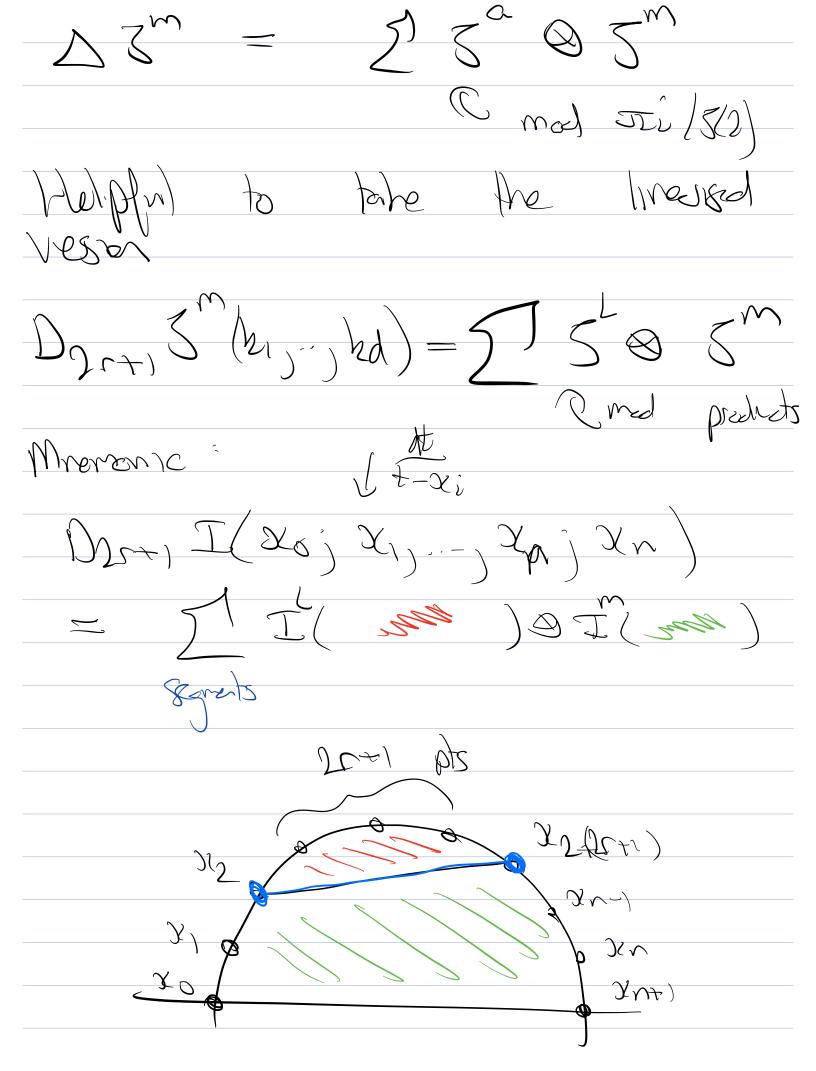


Corrective (Greek) 15 myothers
relates ore matrix. Delotes on 5 ore genetic?

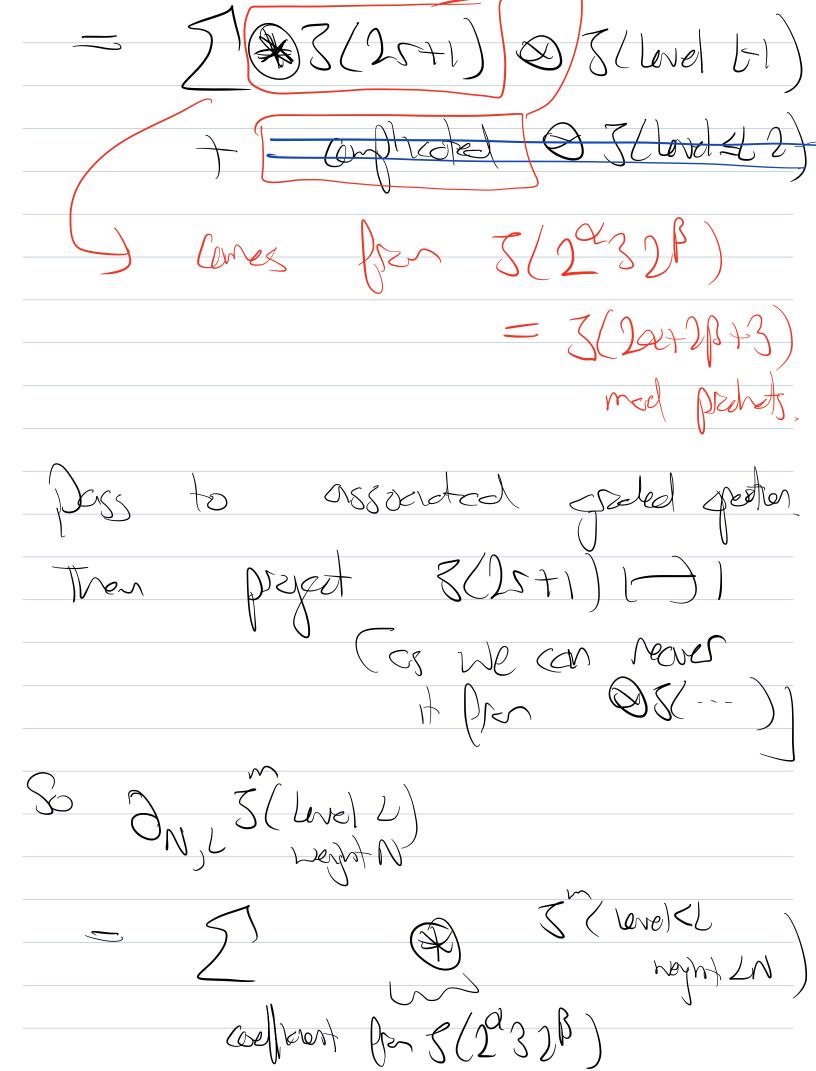
- Overed various

- Inverience otc. upshot: In one more rigid. Form a graded Hapt alphotos
who set 2 Jan 3 Mars alphotos
So 8 M (2) 5 M (3) 5 M (5)

one timely instead (D) has all Exists a Copiednet Coreter



Key property, $\mathcal{D}^3 \oplus \mathcal{D}^2 \oplus \mathcal{D}^{\mathcal{A}} \oplus \mathcal{D}^{\mathcal{A}}$ L) grus a reasive my to Boon's prof: 3(h, hd), hi E 223) # hi = 3 delves litterton double 20te 5 nose SC2232132) of Dat 5 (level L)



Idaer: ONI would corvert
relater in level L
to relater in level LL. Boll K injective, the level I velotion is non-trulal. By induction no relation exists State M 3(2,2), 3(2,2,2),on level of uns son properties of 512°32°) coefficients. $\mathcal{E}_{1} = \mathcal{E}_{1} = \mathcal{E}_{2}$

