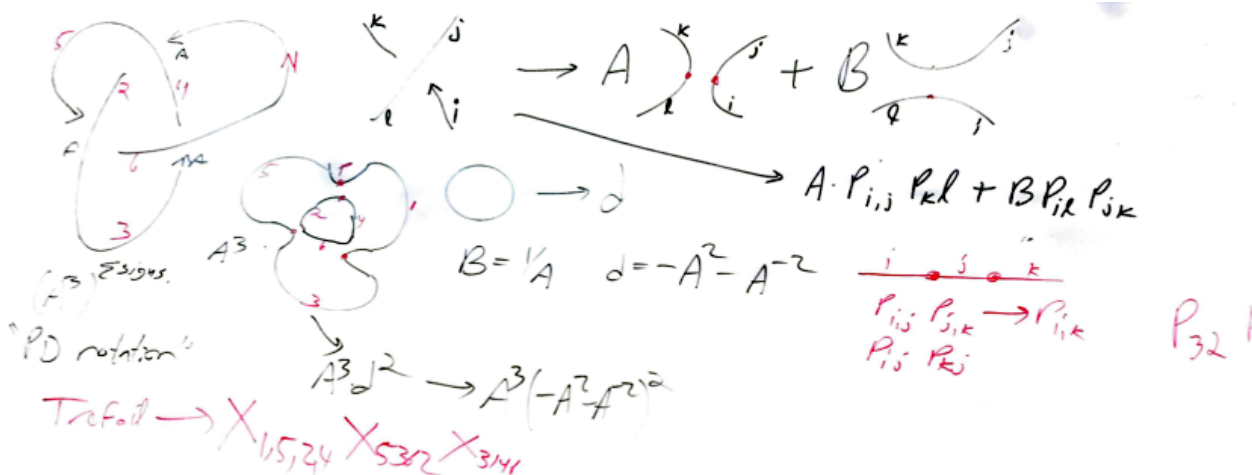


Pensieve header: Notebook for Dalyell meeting 2: the Jones polynomial.

Find everything at <http://drorbn.net/syd3>

Our blackboard from September

16:



```

KB[pd_PD] := Module[{p, t1, t2, t3, t4, B, d},
  SetAttributes[p, Orderless];
  t1 = pd /. X[i_, j_, k_, l_] -> A * p[i, j] * p[k, l] + B * p[i, l] p[j, k];
  t2 = Expand[t1 /. PD -> Times];
  t3 = t2 /. {p[i_, j_] p[j_, k_] -> p[i, k]};
  t4 = t3 /. {p[i_, i_] -> d, p[i_, j_]^2 -> d};
  Expand[t4 /. {B -> 1/A, d -> -A^2 - 1/A^2}]
]
    
```

```

In[ ]:= KB[Knot[8, 17] /. Knots]
    
```

```

In[ ]:= tab10 = Table[
  Echo[Timing[{k, KB[Knot[10, k] /. Knots]}]],
  {k, 165}
]
    
```

```

In[ ]:= Plus @@ tab10
    
```

```

In[ ]:= KB[GST48 /. Knots]
    
```