In[1]:=
```
ClearAll[irrepdim]
irrepdim[lambdas__, n_, verbQ_ : False] :=
 Module[{prodd = 1, prodb = 1, nrow = Length[lambdas], hb, db},
  For[i = 1, i ≤ nrow, i++,
   For[j = 1, j ≤ lambdas⟦i⟧, j++,
     hb = (Length[Select[lambdas, # ≥ j &]] - i + 1) + lambdas⟦i⟧ - j;
     prodb = prodb hb;

     db = n - i + j;
     prodd = prodd db;

     If[verbQ, Print["Box b={" <> ToString[i] <> ", " <> ToString[j] <>
        "} has d(b)=" <> ToString[db] <> " and h(b)=" <> ToString[hb]]];
    ];
  ];

  prodd / prodb
 ]
```

In[3]:=
```
irrepdimSU3[lambdas__] := irrepdim[lambdas, 3]
```

In[4]:=

In[5]:=
```
(*(2,1)⊗(2,1) *)
irrepdimSU3 /@ {{2, 1}, {2, 1}}
Times @@ %
irrepdimSU3 /@
 {{4, 2}, {4, 1, 1}, {3, 3}, {3, 2, 1}, {3, 2, 1}, {3, 1, 1, 1}, {2, 2, 2}, {2, 2, 1, 1}}
Plus @@ %
```

Out[5]= {8, 8}

Out[6]= 64

Out[7]= {27, 10, 10, 8, 8, 0, 1, 0}

Out[8]= 64

In[9]:=
```
(*(2,1)⊗(1,1) *)
irrepdimSU3 /@ {{2, 1}, {1, 1}}
Times @@ %
irrepdimSU3 /@ {{3, 2}, {3, 1, 1}, {2, 2, 1}}
Plus @@ %
```

Out[9]= {8, 3}

Out[10]= 24

Out[11]= {15, 6, 3}

Out[12]= 24