

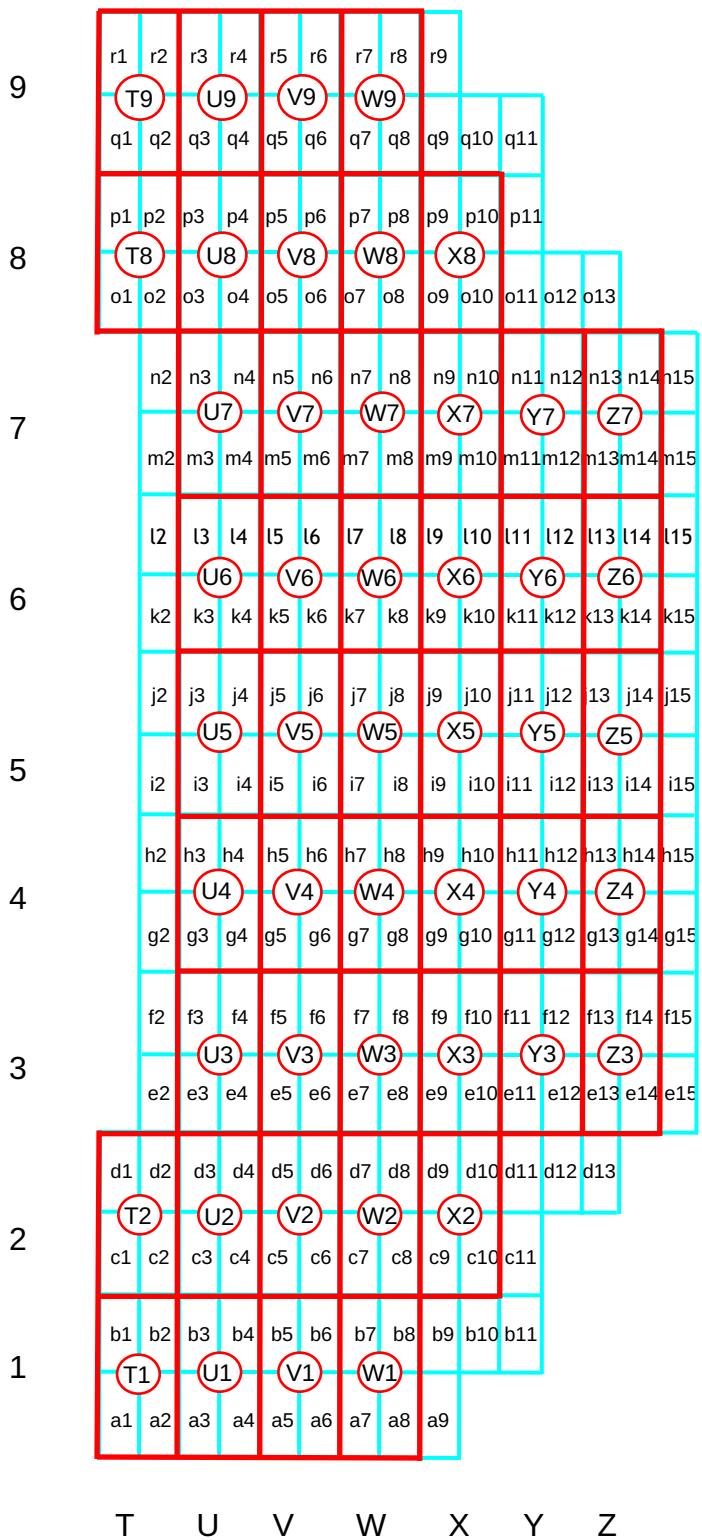
Labeling Sums of 8

r1	r2	r3	r4	r5	r6	r7	r8	r9							
q1	q2	q3	q4	q5	q6	q7	q8	q9	q10	q11					
p1	p2	p3	p4	p5	p6	p7	p8	p9	p10	p11					
o1	o2	o3	o4	o5	o6	o7	o8	o9	o10	o11	o12	o13			
n2	n3	n4	n5	n6	n7	n8	n9	n10	n11	n12	n13	n14	n15		
m2	m3	m4	m5	m6	m7	m8	m9	m10	m11	m12	m13	m14	m15		
l2	l3	l4	l5	l6	l7	l8	l9	l10	l11	l12	l13	l14	l15		
k2	k3	k4	k5	k6	k7	k8	k9	k10	k11	k12	k13	k14	k15		
j2	j3	j4	j5	j6	j7	j8	j9	j10	j11	j12	j13	j14	j15		
i2	i3	i4	i5	i6	i7	i8	i9	i10	i11	i12	i13	i14	i15		
h2	h3	h4	h5	h6	h7	h8	h9	h10	h11	h12	h13	h14	h15		
g2	g3	g4	g5	g6	g7	g8	g9	g10	g11	g12	g13	g14	g15		
f2	f3	f4	f5	f6	f7	f8	f9	f10	f11	f12	f13	f14	f15		
e2	e3	e4	e5	e6	e7	e8	e9	e10	e11	e12	e13	e14	e15		
d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12	d13			
c1	c2	c3	c4	c5	c6	c7	c8	c9	c10	c11					
b1	b2	b3	b4	b5	b6	b7	b8	b9	b10	b11					
a1	a2	a3	a4	a5	a6	a7	a8	a9							

Each blue rectangle is a Sum of 8

Total is 228 Sums of 8

Sums of 32 Layout #1



Each red rectangle is a Sum of 32

Total is 48

Sums of 32 Layout #2

	r1	r2	r3	r4	r5	r6	r7	r8	r9	
18	T18		U18		V18		W18			
	q1	q2	q3	q4	q5	q6	q7	q8	q9	q10 q11
	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10 p11
17	T17		U17		V17		W17		X17	
	o1	o2	o3	o4	o5	o6	o7	o8	o9	o10 o11 o12 o13
	n2	n3	n4	n5	n6	n7	n8	n9	n10 n11	n12 n13 n14 n15
16	T16		U16		V16		W16		X16	Y16 Z16
	m2	m3	m4	m5	m6	m7	m8	m9	m10 m11	m12 m13 m14 m15
	l2	l3	l4	l5	l6	l7	l8	l9	l10 l11	l12 l13 l14 l15
15	T15		U15		V15		W15		X15	Y15 Z15
	k2	k3	k4	k5	k6	k7	k8	k9	k10 k11	k12 k13 k14 k15
	j2	j3	j4	j5	j6	j7	j8	j9	j10 j11	j12 j13 j14 j15
14	T14		U14		V14		W14		X14	Y14 Z14
	i2	i3	i4	i5	i6	i7	i8	i9	i10 i11	i12 i13 i14 i15
	h2	h3	h4	h5	h6	h7	h8	h9	h10 h11	h12 h13 h14 h15
13	T13		U13		V13		W13		X13	Y13 Z13
	g2	g3	g4	g5	g6	g7	g8	g9	g10 g11	g12 g13 g14 g15
	f2	f3	f4	f5	f6	f7	f8	f9	f10 f11	f12 f13 f14 f15
12	T12		U12		V12		W12		X12	Y12 Z12
	e2	e3	e4	e5	e6	e7	e8	e9	e10 e11	e12 e13 e14 e15
	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10 d11 d12 d13
11	T11		U11		V11		W11		X11	
	c1	c2	c3	c4	c5	c6	c7	c8	c9	c10 c11
	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10 b11
10	T10		U10		V10		W10			
	a1	a2	a3	a4	a5	a6	a7	a8	a9	
	T	U	V	W	X	Y				

Each red rectangle is a Sum of 32

Total is 53

Sums of 32 Layout #3

	r1	r2	r3	r4	r5	r6	r7	r8	r9				
26	q1 T26 p1	q2 U26 p2	q3 V26 p3	q4 q5 p4	q6 W26 p5	q7 p6	q8 p7	q9 p8	q10 p9	q11 p10 p11			
25	o1 n2	o2 n3	o3 n4	o4 n5	o5 n6	o6 n7	o7 n8	o8 n9	o9 n10	o10 n11	o11 n12	o12 n13	o13 n14 n15
24	m2 l2	m3 l3	m4 l4	m5 l5	m6 l6	m7 l7	m8 l8	m9 l9	m10 l10	m11 l11	m12 l12	m13 l13	m14 l14 l15
23	k2 j2	k3 j3	k4 j4	k5 j5	k6 j6	k7 j7	k8 j8	k9 j9	k10 j10	k11 j11	k12 j12	k13 j13	k14 j14 j15
22	i2 h2	i3 h3	i4 h4	i5 h5	i6 h6	i7 h7	i8 h8	i9 h9	i10 h10	i11 h11	i12 h12	i13 h13	i14 h14 h15
21	g2 f2	g3 f3	g4 f4	g5 f5	g6 f6	g7 f7	g8 f8	g9 f9	g10 f10	g11 f11	g12 f12	g13 f13	g14 f14 f15
20	e2 d1	e3 d2	e4 d3	e5 d4	e6 d5	e7 d6	e8 d7	e9 d8	e10 d9	e11 d10	e12 d11	e13 d12	e14 d13
19	c1 b1	c2 b2	c3 b3	c4 b4	c5 b5	c6 b6	c7 b7	c8 b8	c9 b9	c10 b10	c11 b11		
	a1	a2	a3	a4	a5	a6	a7	a8	a9				
	T	U	V	W	X	Y	Z						

Each red rectangle is a Sum of 32

Total is 44

Sums of 32 Layout #4

	r1	r2	r3	r4	r5	r6	r7	r8	r9	
34	q1	q2	q3	q4	q5	q6	q7	q8	q9	q10 q11
	T34		U34		V34		W34		X34	
	p1	p2	p3	p4	p5	p6	p7	p8	p9	p10 p11
33	o1	o2	o3	o4	o5	o6	o7	o8	o9	o10 o11 o12 o13
	T33		U33		V33		W33		X33	
	n2	n3	n4	n5	n6	n7	n8	n9	n10 n11	n12 n13 n14 n15
32	m2	m3	m4	m5	m6	m7	m8	m9	m10 m11 m12 m13 m14 m15	
	T32		U32		V32		W32		X32	
	l2	l3	l4	l5	l6	l7	l8	l9	l10 l11	l12 l13 l14 l15
31	k2	k3	k4	k5	k6	k7	k8	k9	k10 k11	k12 k13 k14 k15
	T31		U31		V31		W31		X31	
	j2	j3	j4	j5	j6	j7	j8	j9	j10 j11	j12 j13 j14 j15
30	i2	i3	i4	i5	i6	i7	i8	i9	i10 i11	i12 i13 i14 i15
	T30		U30		V30		W30		X30	
	h2	h3	h4	h5	h6	h7	h8	h9	h10 h11	h12 h13 h14 h15
29	g2	g3	g4	g5	g6	g7	g8	g9	g10 g11	g12 g13 g14 g15
	T29		U29		V29		W29		X29	
	f2	f3	f4	f5	f6	f7	f8	f9	f10 f11	f12 f13 f14 f15
28	e2	e3	e4	e5	e6	e7	e8	e9	e10 e11	e12 e13 e14 e15
	T28		U28		V28		W28		X28	
	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10 d11 d12 d13
27	c1	c2	c3	c4	c5	c6	c7	c8	c9	c10 c11
	T27		U27		V27		W27		X27	
	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10 b11
	a1	a2	a3	a4	a5	a6	a7	a8	a9	
	T	U	V	W	X	Y				

Each red rectangle is a Sum of 32

Total is 50

Total Sums of 32 is $48 + 50 + 53 + 44 = \mathbf{195}$

One **Phillips 740 Module** can do 4 Sums of 32, which results in **49 Modules** ($195/4 = 48.75$).

They will fit in **5 NIM crates** ($49/12 = 4.08$).