

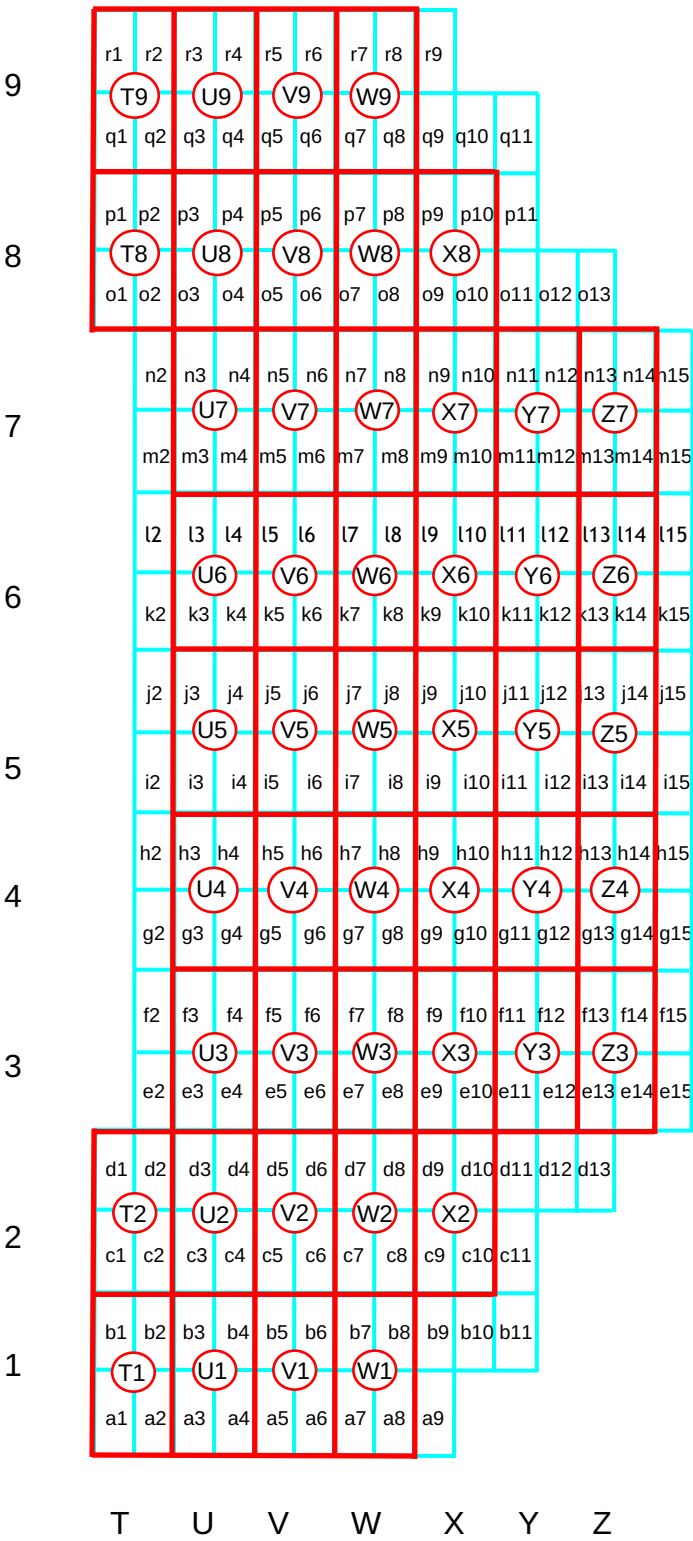
Labeling Sums of 8

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

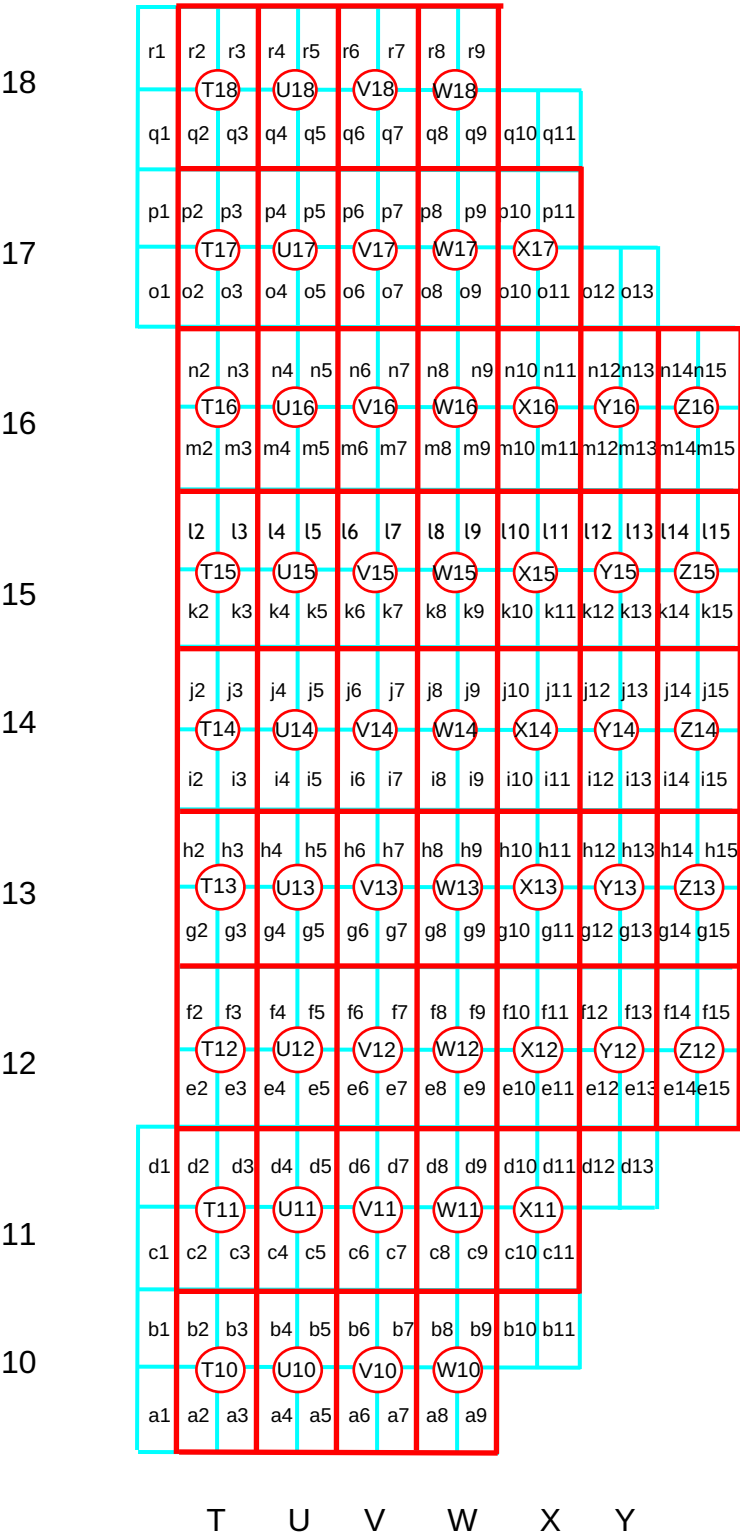
Sums of 32 Layout #1



Each red rectangle is a Sum of 32

Total is 48

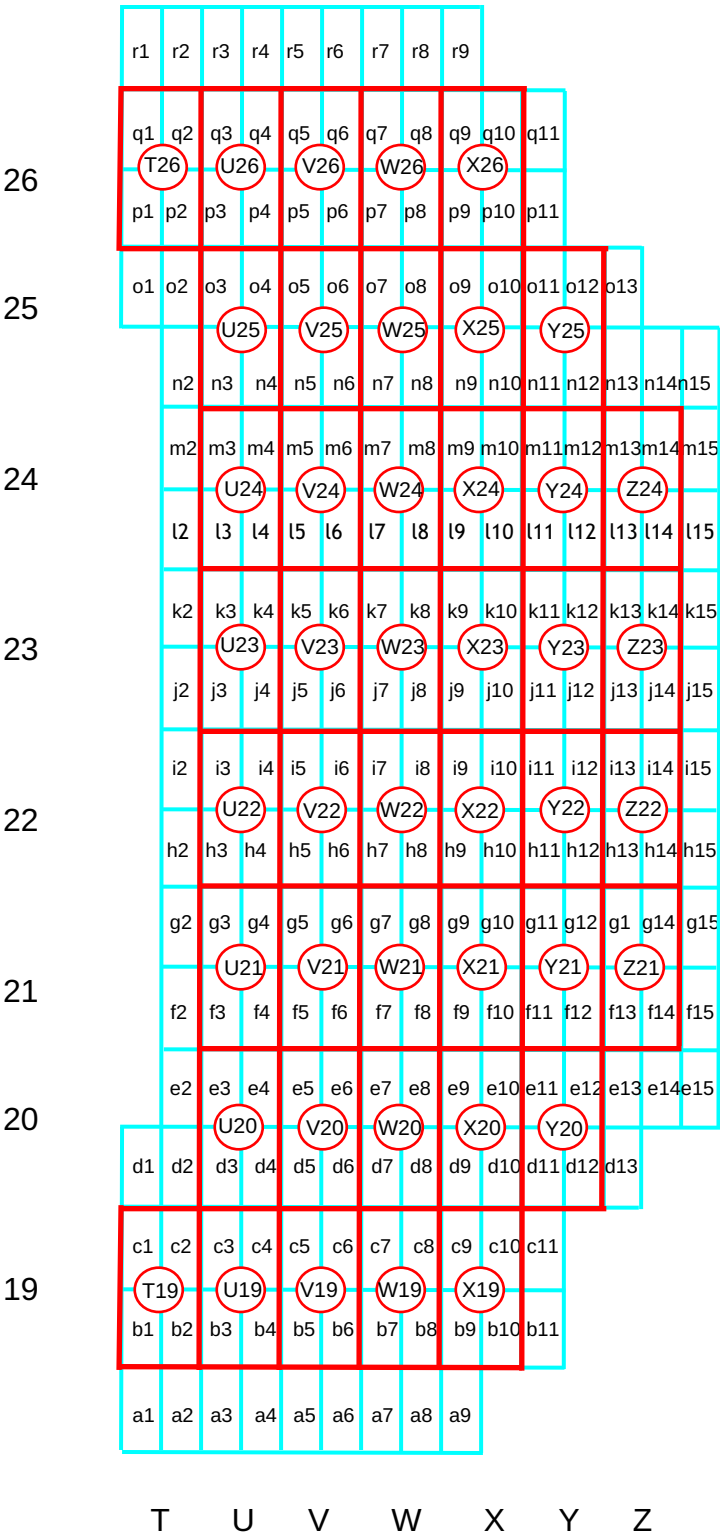
Sums of 32 Layout #2



Each red rectangle is a Sum of 32

Total is 53

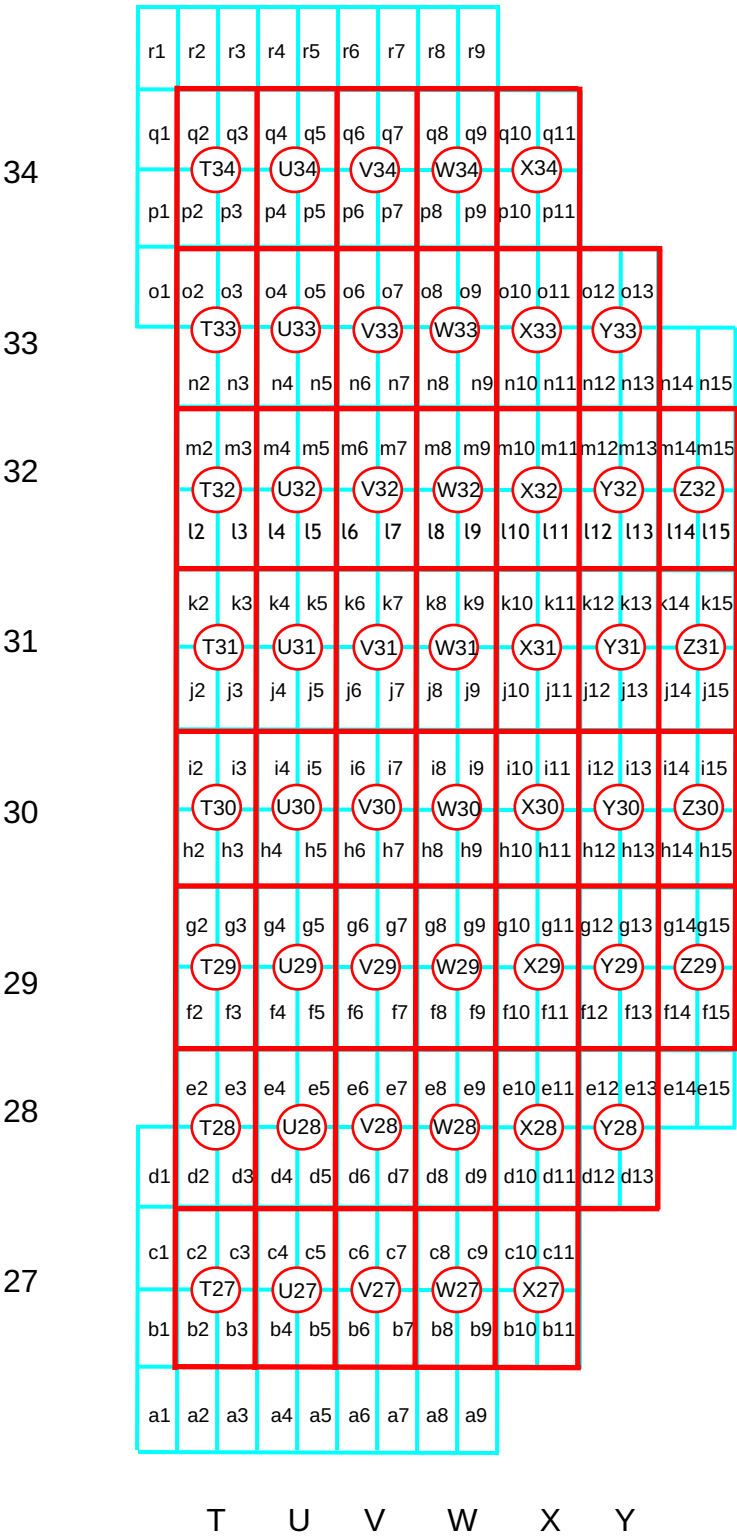
Sums of 32 Layout #3



Each red rectangle is a Sum of 32

Total is 44

Sums of 32 Layout #4



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** ($49/12 = 4.08$).