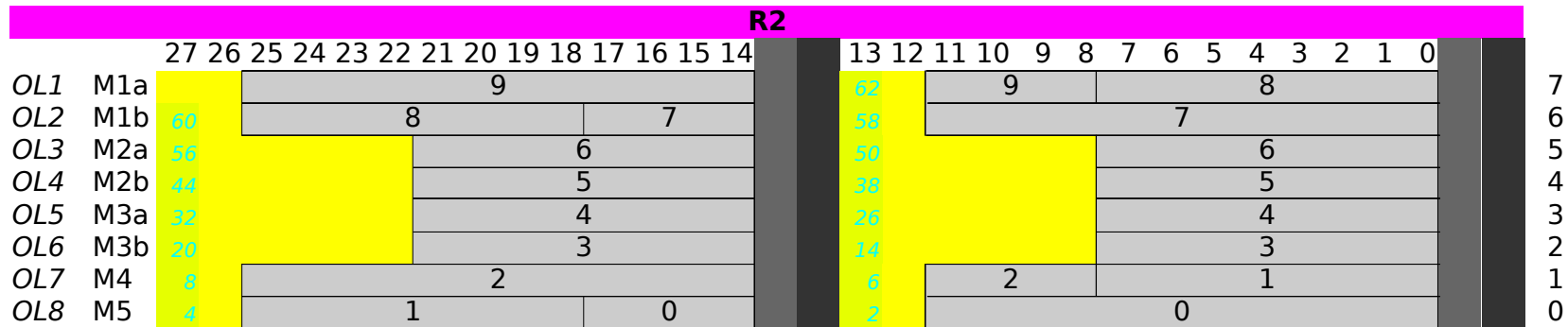
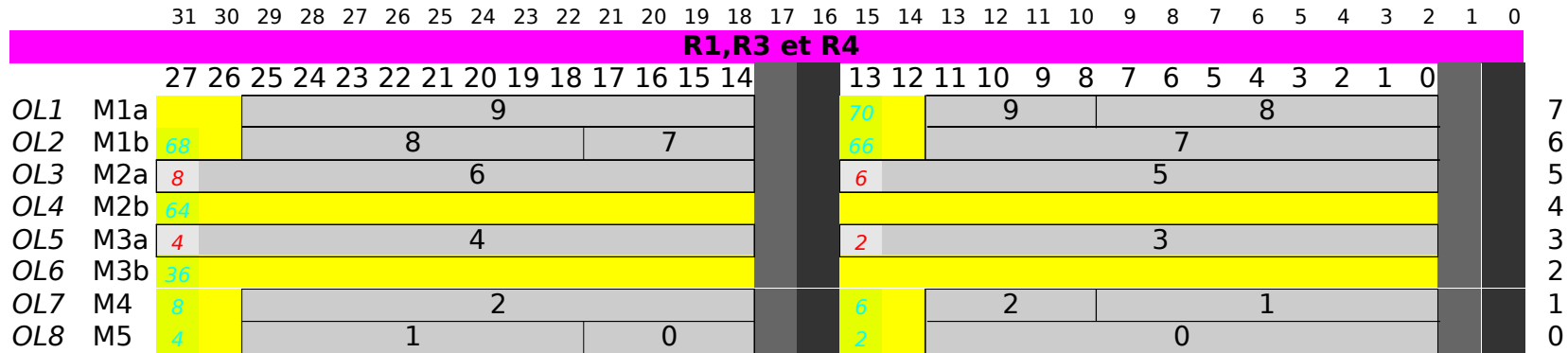


Convert Optical link (28 bits words) to L0Buffer 16 bits words (remove always empty bits)



unused for data – removed from the 32 bits words to form a 28 bits word
 unused for data – removed from the 32 bits words to form a 28 bits word



Bits present in the L0Buffer (i: index of the 16 bits words in the list of 10 words reserved for OL)



The 16 bits words in the L0Buffer is nont complete (n is the number of unused bits – i.e. number of white spaces to add)



Bits in the Optical link data word that are never used (k is the number of bits involved – i.e. number of empty bits to remove)

Convert L0Buffer 16 bits words to Optical link (28 bits words; add always empty bits)

R1, R3 et R4																R2																						
	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
9	M1a																7	M1a																9				
	25	24	23	22	21	20	19	18	17	16	15	14	11	10	9	8		25	24	23	22	21	20	19	18	17	16	15	14	11	10	9	8					
8	M1a								M1b								8	M1a								M1b								8				
	7	6	5	4	3	2	1	0	25	24	23	22	21	20	19	18		7	6	5	4	3	2	1	0	25	24	23	22	21	20	19	18					
7	M1b																9	M1b																7				
	17	16	15	14	11	10	9	8	7	6	5	4	3	2	1	0		17	16	15	14	11	10	9	8	7	6	5	4	3	2	1	0					
6	M2a																10	M2a																6				
				27	26	25	24	23	22	21	20	19	18	17	16	15	14					21	20	19	18	17	16	15	14	7	6	5	4	3	2	1	0	
5	M2a																11	M2b																5				
				13	12	11	10	9	8	7	6	5	4	3	2	1	0					21	20	19	18	17	16	15	14	7	6	5	4	3	2	1	0	
4	M3a																12	M3a																4				
				27	26	25	24	23	22	21	20	19	18	17	16	15	14					21	20	19	18	17	16	15	14	7	6	5	4	3	2	1	0	
3	M3a																13	M3b																3				
				13	12	11	10	9	8	7	6	5	4	3	2	1	0					21	20	19	18	17	16	15	14	7	6	5	4	3	2	1	0	
2	M4																14	M4																2				
	25	24	23	22	21	20	19	18	17	16	15	14	11	10	9	8		25	24	23	22	21	20	19	18	17	16	15	14	11	10	9	8					
1	M4								M5								15	M4								M5								1				
	7	6	5	4	3	2	1	0	25	24	23	22	21	20	19	18		7	6	5	4	3	2	1	0	25	24	23	22	21	20	19	18					
0	M5																16	M5																0				
	17	16	15	14	11	10	9	8	7	6	5	4	3	2	1	0		17	16	15	14	11	10	9	8	7	6	5	4	3	2	1	0					

The 8 optical data links (M1a,M1b, M2a,M2b, M3a, M3b, M4 and M5) represented here are 28 bits words. In reality, an optical link contains 32 bits but only 28 are used for data. Thus 4 bits can be dropped (bits 0,1, 16 and 17 counting from 0 to 31).

M1a,M1b,M4,M5: bits 12,13,26,27 are never used.
 R1,R3 et R4: M2a,M3a: all bits are used. M2b,M3b are never used.

R2: M2a,M2b,M3a,M3b: bits 8 to 13 and 22 to 27 are never used.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	2
		28	29	30	31	32	33	34	35	36	37	38	39	40	41	
48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	3
		42	43	44	45	46	47	48	49	50	51	52	53	54	55	
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	4
		56	57	58	59	60	61	62	63	64	65	66	67	68	69	
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	5
		70	71	72	73	74	75	76	77	78	79	80	81	82	83	
96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	6
		84	85	86	87	88	89	90	91	92	93	94	95	96	97	
112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	7
		98	99	100	101	102	103	104	105	106	107	108	109	110	111	
128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	8
		112	113	114	115	116	117	118	119	120	121	122	123	124	125	
144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	9
		126	127	128	129	130	131	132	133	134	135	136	137	138	139	
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	10
		140	141	142	143	144	145	146	147	148	149	150	151	152	153	
176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	11
		154	155	156	157	158	159	160	161	162	163	164	165	166	167	
192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	12
		168	169	170	171	172	173	174	175	176	177	178	179	180	181	
208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	13
		182	183	184	185	186	187	188	189	190	191	192	193	194	195	
224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	14
		196	197	198	199	200	201	202	203	204	205	206	207	208	209	
240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	15
		210	211	212	213	214	215	216	217	218	219	220	221	222	223	