

AANHANGSEL A

'n Diagrammatiese voorstelling van Tabel 4.3. Die effektiewe en oneffektiewe spanne word per divisie met mekaar vergelyk in terme van die beoordelings van die twee fasette van die kriterium en word teenoor mekaar weergegee, waar die diagramnommer en die spannommer dieselfde is.

AANHANGSEL B: DATA TEN OPSIGTE VAN GAPINGSANALISE

Tabel B.1

Spannaam:		Span nr:	FINVE(A)		Span nr:	FININ(B)	
Dimensie:	Vraag nr:	1	L/S	F/S	2	L/S	F/S
D1	1		-1.0	-1.4		-4.0	-2.1
	6		-2.0	-1.1		-2.0	-2.5
	11		1.0	1.6		-5.0	-3.9
	17		-2.0	-2.1		-2.0	-2.1
	21		0.0	0.4		-3.0	-3.5
	26		1.0	1.1		-3.0	-2.9
	31		-1.0	-0.4		-4.0	-3.4
	36		-2.0	-1.9		-3.0	-2.7
	41		-2.0	-0.7		-4.0	-2.5
	46		-3.0	-1.6		-5.0	-3.5
D1	Gemiddeld		-1.1	-0.61		-3.5	-2.91
D2	3		-1.0	-0.7		-2.0	-2.5
	7		-1.0	0.0		-2.0	-1.4
	12		0.0	-0.1		-4.0	-4.4
	20		-2.0	-0.7		-5.0	-4.9
	22		1.0	1.6		-1.0	-1.4
	27		-2.0	-1.3		-4.0	-3.0
	32		-1.0	-0.6		-2.0	-1.5
	37		-1.0	-0.6		-4.0	-2.0
	42		1.0	1.7		-2.0	-0.9
	47		-3.0	-2.1		-2.0	-1.8
D2	Gemiddeld		-0.9	-0.29		-2.8	-2.37
D3	5		-1.0	0.4		-5.0	-3.5
	8		-3.0	-1.1		0.0	0.7
	14		2.0	1.9		-1.0	-1.7
	18		-1.0	-1.6		-2.0	-1.1

	23		1.0	0.4		-3.0	-1.4
	28		-2.0	-1.7		-3.0	-2.4
	33		-2.0	-1.9		-2.0	-2.2
	38		0.0	1.1		-4.0	-2.5
	43		0.0	0.9		-2.0	-0.6
	48		-1.0	0.1		-3.0	-2.0
D3	Gemiddeld		-0.7	-0.14		-2.5	-1.66
D4	2		0.0	0.0		-5.0	-3.5
	9		-1.0	0.3		-3.0	-2.5
	15		0.0	1.3		-3.0	-1.0
	19		-2.0	-1.9		-2.0	-3.0
	24		-2.0	-1.1		-2.0	-2.5
	29		-1.0	0.9		-5.0	-4.1
	34		0.0	0.7		-4.0	-2.1
	39		0.0	1.4		-4.0	-1.3
	44		0.0	1.0		-3.0	-1.1
	49		-2.0	-1.0		-3.0	-1.5
D4	Gemiddeld		-0.8	0.16		-3.4	-2.25
D5	4		-1.0	-0.6		-1.0	-1.7
	10		-2.0	-1.6		-2.0	-1.6
	13		1.0	0.3		-2.0	-2.7
	16		1.0	1.1		-1.0	-0.7
	25		1.0	1.6		-3.0	-2.9
	30		1.0	2.7		-4.0	-1.5
	35		2.0	2.6		-4.0	-3.1
	40		-1.0	-0.3		-2.0	-0.2
	45		2.0	2.4		-3.0	-1.5
	50		-1.0	-0.3		-3.0	-2.1
D5	Gemiddeld		0.3	0.8		-2.5	-1.8

Tabel B.2

Spannaam:		3	KOMPRO(A)		4	MALPRO(B)	
Dimensie:	Vraag nr:		S/L	S/F		L/S	F/S
D1	1		-1.0	-0.8		-2.0	0.1
	6		0.0	-0.5		1.0	-0.1
	11		-1.0	-1.5		0.0	-0.4
	17		-2.0	-1.8		1.0	0.6
	21		-2.0	-1.5		0.0	-0.9
	26		-2.0	-1.5		-1.0	-1.1
	31		-1.0	-1.3		1.0	-0.1
	36		-1.0	-2.0		0.0	-0.3
	41		-1.0	-0.8		0.0	0.4
	46		-2.0	-1.0		-1.0	1.1
D1	Gemiddeld		-1.3	-1.25		-0.1	-0.06
D2	3		-1.0	-0.5		-1.0	-1.0
	7		-2.0	-1.0		-2.0	-0.3
	12		-1.0	-0.5		-1.0	0.3
	20		-2.0	-1.0		0.0	0.1
	22		-3.0	-1.5		1.0	-0.9
	27		-3.0	-2.8		0.0	-0.4
	32		-1.0	-1.8		-1.0	0.1
	37		-2.0	0.3		1.0	0.8
	42		-4.0	-2.8		1.0	1.4
	47		-2.0	-0.5		1.0	0.3
D2	Gemiddeld		-2.1	-1.2		-0.1	0.04
D3	5		-3.0	-1.8		0.0	-0.5
	8		-3.0	-2.0		-2.0	-0.6
	14		-2.0	-0.5		0.0	-0.4
	18		-2.0	-1.5		1.0	1.6

	23		-3.0	-2.5		0.0	0.9
	28		0.0	-1.8		0.0	-0.6
	33		-2.0	-2.5		1.0	-0.1
	38		0.0	-0.3		1.0	0.3
	43		-2.0	-1.3		-1.0	-0.1
	48		-1.0	-1.5		0.0	0.1
D3	Gemiddeld		-1.8	-1.55		0.0	0.05
D4	2		0.0	0.3		-1.0	-0.6
	9		0.0	-0.5		1.0	-0.6
	15		0.0	0.0		1.0	-0.4
	19		-2.0	-1.3		0.0	-0.3
	24		-1.0	-2.3		1.0	0.1
	29		-1.0	-1.5		1.0	0.5
	34		-3.0	-2.5		1.0	0.4
	39		0.0	-0.8		1.0	1.1
	44		-4.0	-3.5		-1.0	-1.0
	49		-1.0	-1.0		0.0	0.1
D4	Gemiddeld		-1.2	-1.3		0.4	-0.06
D5	4		-2.0	-1.0		-3.0	-0.6
	10		-2.0	-2.8		0.0	-0.3
	13		-1.0	-1.0		0.0	-0.1
	16		-4.0	-3.0		0.0	-0.5
	25		-2.0	-1.3		1.0	0.1
	30		0.0	-0.8		1.0	1.6
	35		-3.0	-1.3		0.0	0.5
	40		-4.0	-3.3		1.0	0.8
	45		0.0	-0.5		-2.0	-0.4
	50		0.0	-2.0		2.0	2.1
D5	Gemiddeld		-1.8	-1.68		0.0	0.33

Tabel B.3

Spannaam:		5	KOMTEG(A)		6	MALTEG(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		-1.0	-0.7		1.0	1.6
	6		1.0	1.3		1.0	0.8
	11		0.0	-0.3		1.0	1.5
	17		1.0	0.3		0.0	-0.9
	21		2.0	1.0		0.0	1.4
	26		0.0	-0.7		-1.0	-0.3
	31		0.0	0.0		1.0	1.0
	36		1.0	-0.3		-2.0	-0.6
	41		1.0	1.0		1.0	-0.3
	46		0.0	0.7		-2.0	0.1
D1	Gemiddeld		0.5	0.23		0.0	0.44
D2	3		0.0	0.7		2.0	0.9
	7		2.0	1.7		1.0	0.9
	12		1.0	0.3		0.0	0.0
	20		3.0	2.7		0.0	0.6
	22		2.0	0.0		3.0	2.1
	27		0.0	1.7		2.0	2.1
	32		2.0	2.3		3.0	2.4
	37		2.0	0.7		2.0	2.0
	42		0.0	0.0		-1.0	-0.3
	47		1.0	0.3		1.0	1.3
D2	Gemiddeld		1.3	1.03		1.3	1.2
D3	5		3.0	1.3		2.0	0.5
	8		1.0	-0.3		-2.0	-1.8
	14		1.0	0.0		2.0	0.8
	18		3.0	1.7		1.0	-0.5

	23		2.0	-0.3		2.0	0.0
	28		2.0	2.0		0.0	-0.4
	33		0.0	1.7		1.0	2.4
	38		2.0	2.3		-1.0	-0.1
	43		2.0	0.7		2.0	1.4
	48		1.0	0.3		-2.0	0.3
D3	Gemiddeld		1.7	0.93		0.5	0.25
D4	2		1.0	1.0		1.0	0.5
	9		0.0	0.3		0.0	0.8
	15		1.0	-0.7		3.0	1.4
	19		2.0	3.0		0.0	1.3
	24		0.0	-1.0		1.0	0.0
	29		2.0	1.7		2.0	1.6
	34		1.0	2.0		1.0	1.4
	39		1.0	1.0		1.0	0.8
	44		1.0	1.0		1.0	0.8
	49		2.0	1.7		0.0	0.3
D4	Gemiddeld		1.1	1		1	0.86
D5	4		1.0	0.7		2.0	-0.3
	10		0.0	-2.0		2.0	1.1
	13		2.0	1.7		2.0	1.0
	16		0.0	-0.7		-1.0	-1.6
	25		1.0	0.3		1.0	0.6
	30		1.0	1.3		1.0	-0.5
	35		1.0	-1.3		-1.0	-1.1
	40		2.0	1.3		1.0	0.3
	45		0.0	0.0		1.0	1.9
	50		1.0	1.3		1.0	0.6
D5	Gemiddeld		0.9	0.27		0.9	0.2

Tabel B.4

Spannaam:		7	LANKO(A)		8	LANTE(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		-1.0	-0.8		-2.0	-1.1
	6		-1.0	-0.8		-3.0	-1.4
	11		-2.0	-1.9		-4.0	-1.6
	17		0.0	-1.6		-4.0	-0.9
	21		1.0	-0.6		-2.0	0.0
	26		-1.0	-0.9		-1.0	0.6
	31		1.0	-0.3		-4.0	-0.1
	36		0.0	-0.9		-3.0	0.1
	41		0.0	-0.6		-3.0	0.7
	46		2.0	1.5		-2.0	0.7
D1	Gemiddeld		-0.1	-0.69		-2.8	-0.3
D2	3		1.0	-0.3		-5.0	-1.4
	7		-2.0	-1.7		0.0	-1.9
	12		1.0	-0.6		-5.0	-0.9
	20		-1.0	-0.9		-5.0	-0.4
	22		2.0	0.4		-1.0	-1.6
	27		1.0	-0.1		-5.0	-1.1
	32		-1.0	-1.5		-3.0	0.7
	37		1.0	-0.8		-1.0	-1.7
	42		2.0	0.5		-6.0	-1.4
	47		3.0	1.8		-1.0	-1.0
D2	Gemiddeld		0.7	-0.32		-3.2	-1.07
D3	5		0.0	-1.1		-3.0	-1.4
	8		-1.0	-0.2		-1.0	0.3
	14		0.0	-1.2		-3.0	-0.1
	18		-1.0	-1.8		1.0	0.0

	23		-1.0	-2.1		1.0	-0.3
	28		0.0	0.1		-5.0	-2.0
	33		2.0	0.8		-4.0	-1.7
	38		1.0	-0.4		-5.0	-0.3
	43		1.0	-0.6		-4.0	-0.3
	48		2.0	1.9		-4.0	-0.6
D3	Gemiddeld		0.3	-0.46		-2.7	-0.64
D4	2		0.0	-1.4		-5.0	-1.7
	9		1.0	-0.2		-4.0	-1.6
	15		-1.0	-0.3		-4.0	-1.0
	19		0.0	-1.2		-3.0	-1.0
	24		0.0	-0.8		-4.0	0.0
	29		1.0	0.0		-1.0	-1.1
	34		1.0	-1.1		0.0	0.9
	39		1.0	0.2		0.0	0.0
	44		1.0	0.4		1.0	0.1
	49		2.0	0.8		-2.0	-0.9
D4	Gemiddeld		0.6	-0.36		-2.2	-0.63
D5	4		1.0	0.9		-1.0	-2.0
	10		-1.0	-2.4		-3.0	-0.6
	13		-1.0	-1.2		-3.0	-0.6
	16		-1.0	-1.6		-2.0	-2.0
	25		0.0	-1.9		-3.0	0.3
	30		-1.0	-1.4		-4.0	-0.3
	35		1.0	0.6		-1.0	-0.1
	40		3.0	1.4		0.0	-1.3
	45		2.0	1.4		-4.0	0.4
	50		1.0	0.1		0.0	-0.7
D5	Gemiddeld		0.4	-0.41		-2.1	-0.69

Tabel B.5

Spannaam:		9	MANBD(A)		10	MANRB(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		-1.0	-0.3		-2.0	-4.0
	6		-1.0	0.0		0.0	-6.0
	11		-1.0	-1.3		0.0	-2.0
	17		-1.0	-1.7		0.0	-6.0
	21		1.0	1.0		1.0	-5.0
	26		1.0	-0.3		-2.0	-7.0
	31		0.0	0.7		2.0	-4.0
	36		0.0	0.3		0.0	-6.0
	41		-2.0	0.0		1.0	-4.0
	46		0.0	1.0		0.0	-4.0
D1	Gemiddeld		-0.4	-0.07		0.0	-4.8
D2	3		-2.0	-0.3		0.0	-6.0
	7		-2.0	-0.7		-1.0	-6.0
	12		0.0	-1.0		0.0	-4.0
	20		0.0	1.7		-1.0	-6.0
	22		1.0	0.3		1.0	-5.0
	27		-1.0	-1.0		-1.0	-7.0
	32		0.0	0.3		-1.0	-6.0
	37		-1.0	0.0		0.0	-6.0
	42		-2.0	-0.7		-2.0	-7.0
	47		-1.0	0.0		0.0	-6.0
D2	Gemiddeld		-0.8	-0.13		-0.5	-5.9
D3	5		-1.0	-2.7		1.0	-3.0
	8		0.0	0.3		2.0	0.0
	14		0.0	-1.0		-1.0	-7.0
	18		-1.0	-1.0		0.0	-3.0

	23		-2.0	-1.0		0.0	-5.0
	28		-2.0	-1.0		-1.0	-4.0
	33		-1.0	-0.7		-1.0	-6.0
	38		0.0	-1.3		0.0	-3.0
	43		-2.0	-0.7		-2.0	-7.0
	48		-1.0	-1.0		-2.0	-7.0
D3	Gemiddeld		-1	-1		-0.4	-4.5
D4	2		-3.0	-1.0		0.0	-6.0
	9		-1.0	-0.3		0.0	-5.0
	15		-1.0	1.3		-1.0	-6.0
	19		-3.0	-1.7		0.0	-6.0
	24		0.0	0.3		-1.0	-7.0
	29		-1.0	0.0		-1.0	-7.0
	34		-1.0	-0.3		2.0	-4.0
	39		0.0	0.7		0.0	-3.0
	44		-1.0	0.7		-1.0	-7.0
	49		-1.0	-1.3		-1.0	-3.0
D4	Gemiddeld		-1.2	-0.17		-0.3	-5.4
D5	4		0.0	0.3		0.0	-5.0
	10		-2.0	-1.0		0.0	-6.0
	13		-2.0	-0.3		-1.0	-7.0
	16		0.0	0.3		0.0	-5.0
	25		1.0	1.0		-1.0	-5.0
	30		-1.0	0.3		0.0	-3.0
	35		0.0	0.0		0.0	-6.0
	40		-1.0	-1.7		1.0	-5.0
	45		-1.0	-1.0		-1.0	-3.0
	50		-2.0	-1.3		0.0	-6.0
D5	Gemiddeld		-0.8	-0.33		-0.2	-5.1

Tabel B.6

Spannaam:		11	MANDI(A)		12	MANOB(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		0.0	1.7		0.0	3.0
	6		0.0	1.3		-1.0	1.0
	11		2.0	2.0		1.0	2.3
	17		1.0	2.3		1.0	2.3
	21		1.0	2.7		0.0	2.0
	26		4.0	4.0		0.0	0.7
	31		2.0	3.3		-1.0	1.0
	36		0.0	1.0		1.0	1.7
	41		0.0	1.7		2.0	3.0
	46		0.0	1.7		2.0	4.3
D1	Gemiddeld		1	2.17		0.5	2.13
D2	3		2.0	2.0		1.0	1.3
	7		-1.0	0.3		2.0	1.3
	12		3.0	2.7		0.0	1.7
	20		2.0	3.0		1.0	1.0
	22		2.0	2.3		2.0	3.7
	27		2.0	2.3		1.0	1.0
	32		2.0	1.7		2.0	3.3
	37		3.0	4.3		2.0	3.0
	42		2.0	2.0		2.0	2.0
	47		1.0	3.3		1.0	1.3
D2	Gemiddeld		1.8	2.4		1.4	1.97
D3	5		1.0	2.0		2.0	2.7
	8		-1.0	-0.3		3.0	4.3
	14		0.0	0.7		-2.0	0.0
	18		0.0	1.0		0.0	0.7

	23		0.0	1.3		1.0	2.0
	28		1.0	2.0		0.0	0.3
	33		1.0	2.7		1.0	3.0
	38		1.0	1.7		-1.0	0.7
	43		3.0	3.7		1.0	1.7
	48		1.0	2.3		2.0	2.7
D3	Gemiddeld		0.7	1.7		0.7	1.8
D4	2		3.0	2.7		-1.0	0.7
	9		2.0	1.0		0.0	2.0
	15		1.0	2.0		-2.0	0.7
	19		1.0	2.3		1.0	2.0
	24		1.0	1.7		1.0	3.0
	29		2.0	2.3		1.0	1.7
	34		1.0	3.3		1.0	1.7
	39		5.0	5.3		-1.0	1.0
	44		1.0	1.0		1.0	3.3
	49		-1.0	0.7		0.0	0.7
D4	Gemiddeld		1.6	2.23		0.1	1.67
D5	4		0.0	1.0		2.0	2.3
	10		1.0	0.7		1.0	2.0
	13		-1.0	-0.3		3.0	1.3
	16		-1.0	0.7		2.0	4.0
	25		1.0	1.7		1.0	2.3
	30		2.0	3.3		-1.0	0.7
	35		1.0	1.7		1.0	2.0
	40		1.0	2.0		0.0	1.3
	45		2.0	3.0		-1.0	1.0
	50		2.0	3.0		1.0	2.7
D5	Gemiddeld		0.8	1.67		0.9	1.97

Tabel B.7

Spannaam:		13	MANWK(A)		14	MANOP(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		1.0	1.5		-1.0	0.0
	6		0.0	1.3		2.0	3.0
	11		0.0	0.8		0.0	0.7
	17		0.0	1.0		0.0	0.7
	21		1.0	1.8		-1.0	0.7
	26		0.0	0.3		-1.0	0.3
	31		1.0	1.0		-2.0	-1.3
	36		0.0	1.0		1.0	1.3
	41		0.0	0.5		0.0	1.0
	46		1.0	0.0		0.0	1.3
D1	Gemiddeld		0.4	0.9		-0.2	0.77
D2	3		-1.0	0.5		0.0	1.0
	7		0.0	0.8		1.0	1.0
	12		0.0	1.0		0.0	1.7
	20		0.0	1.5		1.0	2.0
	22		2.0	2.3		0.0	0.3
	27		0.0	1.3		1.0	1.7
	32		1.0	1.3		0.0	0.3
	37		1.0	2.3		0.0	0.0
	42		0.0	1.0		1.0	1.7
	47		-1.0	-0.8		0.0	0.3
D2	Gemiddeld		0.2	1.1		0.4	1
D3	5		1.0	1.3		0.0	-1.0
	8		0.0	-1.0		0.0	1.0
	14		1.0	2.3		-1.0	0.0
	18		1.0	2.0		0.0	0.3

	23		0.0	0.5		1.0	0.0
	28		0.0	0.3		0.0	1.7
	33		-1.0	1.3		0.0	1.7
	38		1.0	2.0		2.0	0.7
	43		0.0	1.0		1.0	0.7
	48		0.0	0.5		1.0	0.3
D3	Gemiddeld		0.3	1		0.4	0.53
D4	2		1.0	1.8		0.0	0.3
	9		1.0	1.3		-1.0	1.0
	15		0.0	2.0		0.0	-0.3
	19		0.0	1.5		0.0	0.0
	24		1.0	1.0		1.0	2.0
	29		0.0	1.0		1.0	0.3
	34		0.0	0.5		1.0	0.3
	39		1.0	1.5		3.0	1.0
	44		2.0	3.3		1.0	-1.0
	49		0.0	1.3		-1.0	0.0
D4	Gemiddeld		0.6	1.5		0.5	0.37
D5	4		0.0	0.8		0.0	0.7
	10		2.0	2.3		0.0	0.0
	13		0.0	1.0		0.0	1.0
	16		0.0	0.0		0.0	0.0
	25		3.0	2.8		1.0	1.7
	30		-1.0	0.0		-2.0	-3.0
	35		0.0	0.5		1.0	0.3
	40		0.0	1.0		0.0	-0.3
	45		2.0	3.0		1.0	1.3
	50		1.0	1.5		0.0	1.3
D5	Gemiddeld		0.7	1.28		0.1	0.3

Tabel B.8

Spannaam:		15	MOLWS(A)		16	MOLOS(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		0.0	0.5		-1.0	-2.0
	6		-2.0	-0.5		-1.0	-1.6
	11		0.0	-0.2		-1.0	-0.3
	17		0.0	1.0		1.0	0.4
	21		-2.0	-0.8		0.0	-0.4
	26		0.0	0.5		0.0	-1.1
	31		-2.0	-0.8		-1.0	-1.3
	36		-1.0	-0.2		-1.0	-1.4
	41		0.0	1.7		0.0	-1.1
	46		-2.0	-0.3		-1.0	-0.6
D1	Gemiddeld		-0.9	0.08		-0.5	-0.94
D2	3		1.0	-0.2		-1.0	-1.4
	7		-1.0	-0.8		-1.0	-1.3
	12		-2.0	-0.8		-1.0	-0.4
	20		-3.0	-1.0		-1.0	-0.4
	22		-2.0	-0.5		0.0	-0.9
	27		0.0	0.7		0.0	-0.4
	32		-1.0	-0.7		0.0	-2.1
	37		0.0	0.2		1.0	0.3
	42		0.0	0.5		-1.0	-1.6
	47		-1.0	0.0		0.0	0.0
D2	Gemiddeld		-0.9	-0.27		-0.4	-0.83
D3	5		1.0	0.3		-1.0	-2.3
	8		-1.0	-1.8		-1.0	-1.4
	14		-1.0	-0.5		-1.0	-1.6
	18		0.0	0.2		0.0	-1.6

	23		0.0	0.2		0.0	-2.1
	28		-1.0	0.5		0.0	0.1
	33		-1.0	0.2		1.0	0.7
	38		0.0	0.2		1.0	-0.4
	43		1.0	0.0		-1.0	-2.7
	48		0.0	-0.8		1.0	0.4
D3	Gemiddeld		-0.2	-0.17		-0.1	-1.09
D4	2		-2.0	-1.3		-1.0	-1.1
	9		-3.0	-1.0		-1.0	-0.6
	15		0.0	-0.2		-1.0	-1.3
	19		-2.0	0.0		-1.0	-0.9
	24		0.0	0.8		-1.0	-1.1
	29		0.0	-0.3		1.0	-0.4
	34		-1.0	-1.3		0.0	-0.9
	39		0.0	-0.2		-1.0	-0.6
	44		-1.0	0.2		1.0	-0.4
	49		1.0	0.7		-2.0	-2.6
D4	Gemiddeld		-0.8	-0.27		-0.6	-0.99
D5	4		1.0	0.7		0.0	-0.4
	10		-2.0	-1.3		0.0	-1.6
	13		-2.0	-0.2		-1.0	-0.3
	16		-1.0	-0.3		1.0	-0.1
	25		-1.0	-0.7		0.0	-0.1
	30		-1.0	-1.2		1.0	-0.6
	35		0.0	0.0		1.0	-0.3
	40		0.0	0.2		0.0	-1.6
	45		-1.0	0.0		-1.0	-1.9
	50		0.0	0.8		-1.0	-1.9
D5	Gemiddeld		-0.7	-0.2		0.0	-0.87

Tabel B.9

Spannaam:		17	VERIN(A)		18	VERINE(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		3.0	1.1		-1.0	-3.2
	6		1.0	0.1		-2.0	-3.4
	11		-1.0	-1.1		-1.0	-3.0
	17		1.0	-2.3		1.0	-0.8
	21		1.0	1.9		2.0	-1.4
	26		-1.0	-2.1		-2.0	-3.2
	31		4.0	2.3		-1.0	-1.0
	36		1.0	0.3		-1.0	-2.6
	41		3.0	1.6		0.0	-1.4
	46		-1.0	-1.6		-1.0	-2.2
D1	Gemiddeld		1.1	0.01		-0.6	-2.22
D2	3		3.0	0.1		0.0	-1.6
	7		-1.0	-0.3		-2.0	-3.8
	12		0.0	0.3		-2.0	-3.8
	20		1.0	1.1		3.0	0.4
	22		2.0	1.9		1.0	-0.8
	27		0.0	-2.1		-1.0	-1.8
	32		2.0	0.9		-1.0	-2.0
	37		1.0	0.3		1.0	-2.0
	42		-1.0	-2.0		-4.0	-4.2
	47		1.0	0.1		0.0	-0.8
D2	Gemiddeld		0.8	0.03		-0.5	-2.04
D3	5		3.0	0.9		-1.0	-5.2
	8		-2.0	-2.1		-1.0	-4.6
	14		2.0	-0.1		1.0	-2.0
	18		-2.0	-0.7		2.0	-1.6

	23		0.0	1.3		1.0	-2.4
	28		1.0	2.0		1.0	-2.4
	33		1.0	-1.4		-2.0	-2.8
	38		3.0	1.9		-1.0	-1.8
	43		-2.0	-2.4		-1.0	-2.4
	48		2.0	0.6		0.0	-1.8
D3	Gemiddeld		0.6	-0.03		-0.1	-2.7
D4	2		-1.0	-2.3		-1.0	-4.4
	9		3.0	0.3		1.0	-1.2
	15		1.0	-0.7		0.0	-3.0
	19		-1.0	-1.1		-1.0	-2.8
	24		-1.0	-1.9		-1.0	-2.0
	29		3.0	1.3		-2.0	-3.0
	34		1.0	-0.3		0.0	-1.0
	39		0.0	-0.4		-2.0	-2.8
	44		-2.0	-0.6		-2.0	-3.0
	49		0.0	-1.3		-2.0	-3.0
D4	Gemiddeld		0.3	-0.7		-1	-2.62
D5	4		2.0	1.6		-1.0	-2.8
	10		3.0	2.4		0.0	-1.4
	13		-2.0	-1.1		0.0	-0.8
	16		-2.0	-1.6		-2.0	-1.2
	25		-2.0	-2.4		-2.0	-3.2
	30		2.0	2.0		0.0	-1.6
	35		3.0	2.0		-1.0	-1.8
	40		0.0	-2.1		0.0	-2.6
	45		-2.0	-2.0		-3.0	-3.6
	50		1.0	1.9		-2.0	-3.2
D5	Gemiddeld		0.3	0.06		-1.1	-2.22

Tabel B.10

Spannaam:		17	VERIN(A)		19	VERPR(B)	
Dimensie:	Vraag nr:		L/S	F/S		L/S	F/S
D1	1		3.0	1.1		0.0	-4.1
	6		1.0	0.1		1.0	-1.9
	11		-1.0	-1.1		2.0	-1.9
	17		1.0	-2.3		1.0	-2.1
	21		1.0	1.9		1.0	-2.3
	26		-1.0	-2.1		1.0	-1.6
	31		4.0	2.3		2.0	-1.7
	36		1.0	0.3		0.0	-2.0
	41		3.0	1.6		3.0	-1.1
	46		-1.0	-1.6		0.0	-3.6
D1	Gemiddeld		1.1	0.01		1.1	-2.13
D2	3		3.0	0.1		3.0	-1.1
	7		-1.0	-0.3		1.0	0.1
	12		0.0	0.3		0.0	-2.4
	20		1.0	1.1		1.0	-1.6
	22		2.0	1.9		-1.0	-3.6
	27		0.0	-2.1		1.0	-2.9
	32		2.0	0.9		0.0	-2.3
	37		1.0	0.3		3.0	-1.3
	42		-1.0	-2.0		2.0	-1.9
	47		1.0	0.1		2.0	-2.3
D2	Gemiddeld		0.8	0.03		1.2	-1.91
D3	5		3.0	0.9		0.0	-1.7
	8		-2.0	-2.1		0.0	-1.7
	14		2.0	-0.1		2.0	-1.9
	18		-2.0	-0.7		2.0	0.1

	23		0.0	1.3		1.0	-1.7
	28		1.0	2.0		1.0	-3.9
	33		1.0	-1.4		1.0	-3.4
	38		3.0	1.9		0.0	-3.4
	43		-2.0	-2.4		0.0	-2.0
	48		2.0	0.6		1.0	-2.6
D3	Gemiddeld		0.6	-0.03		0.8	-2.21
D4	2		-1.0	-2.3		2.0	-1.6
	9		3.0	0.3		1.0	-3.4
	15		1.0	-0.7		2.0	-2.3
	19		-1.0	-1.1		1.0	-2.9
	24		-1.0	-1.9		0.0	-2.9
	29		3.0	1.3		2.0	-1.4
	34		1.0	-0.3		2.0	-1.9
	39		0.0	-0.4		2.0	-0.1
	44		-2.0	-0.6		2.0	-2.1
	49		0.0	-1.3		1.0	-1.7
D4	Gemiddeld		0.3	-0.7		1.5	-2.03
D5	4		2.0	1.6		1.0	-1.7
	10		3.0	2.4		1.0	-2.6
	13		-2.0	-1.1		1.0	-1.9
	16		-2.0	-1.6		0.0	-3.3
	25		-2.0	-2.4		0.0	-2.3
	30		2.0	2.0		3.0	-0.6
	35		3.0	2.0		3.0	-1.3
	40		0.0	-2.1		2.0	-2.0
	45		-2.0	-2.0		3.0	-0.6
	50		1.0	1.9		2.0	-1.4
D5	Gemiddeld		0.3	0.06		1.6	-1.76

AANHANGSEL C: ONTWIKKELINGSAREAS

Die ontwikkelingsareas van die effektiewe spanne word eerstens weergegee en tweedens word die ontwikkelingsareas van die oneffektiewe spanne in tabelvorm weergegee. Derdens is beide spanne se ontwikkelingsareas in tabelvorm weergegee

Tabel C.1 ■ Hoogste aantal ontwikkelingsareas in elke dimensie

Dimensie	Vraag	S1	S3	S5	S7	S9	S11	S13	S15	S17	Tot
D1	1	✓									1
	41										0
	46	✓	✓								3
	26										2
	31		✓								1
	6										1
	11										4
	17		✓								5
	21										1
	36	✓	✓								2
TOTAAL		5	7	0	2	2	0	0	0	4	20
D2	7		✓								2
	42		✓								2
	37										0
	3										0
	32		✓								2
	47	✓									1
	20		✓								2
	27	✓									4
	22		✓								1
	12										1
TOTAAL		2	6	0	2	2	0	0	1	2	15

Dimensie	Vraag	S1	S3	S5	S7	S9	S11	S13	S15	S17	Tot
D3	18	✓	✓								4
	8	✓	✓								4
	43		✓								2
	23		✓								3
	5		✓								3
	14										2
	48		✓								2
	28	✓	✓								3
	38										1
	33	✓	✓								3
TOTAAL		4	8	0	4	7	0	0	1	3	27
D4	39										0
	44										1
	49	✓	✓								4
	15										0
	34										3
	2										4
	29										1
	9										1
	19	✓									5
	24	✓									4
TOTAAL		3	6	1	3	3	0	0	3	4	23

Dimensie	Vraag	S1	S3	S5	S7	S9	S11	S13	S15	S17	Tot
D5	30										2
	45										2
	50										2
	40										3
	10	✓									6
	16										3
	4										1
	13										3
	25										3
	35										2
TOTAAL		1	8	2	5	4	0	0	2	5	27
GROOT TOTAAL		15	35	3	16	18	0	0	7	18	112

Tabel C.2

Dimensie	Vraag	S2	S4	S6	S8	S10	S12	S14	S16	S18	S19	Tot
D1	1	✓										6
	41	✓										5
	46	✓										4
	26	✓										6
	31											6
	6	✓										6
	11	✓										5
	17	✓										3
	21	✓										4
	36	✓										5
TOTAAL		10	1	0	3	10	0	1	6	9	10	50

D2	7	✓										5
	42											5
	37	✓										5
	3	✓										7
	32	✓										5
	47	✓										4
	20	✓										3
	27	✓										5
	22											4
	12	✓										
TOTAAL		9	1	0	7	10	0	0	4	7	9	47

Dimensie	Vraag	S2	S4	S6	S8	S1	S1	S1	S1	S1	S1	Tot
						0	2	4	6	8	9	
D3	18	✓										4
	8											5
	43											4
	23	✓										5
	5	✓										7
	14	✓										5
	48	✓										4
	28	✓										5
	38	✓										4
	33	✓										5
TOTAAL		8	1	1	3	9	0	1	6	10	9	48

D4	39	✓										3
	44	✓									✓	6
	49	✓									✓	5
	15	✓									✓	6
	34	✓									✓	4
	2	✓									✓	6
	29	✓									✓	5
	9	✓									✓	5
	19	✓									✓	5
	24	✓										5
TOTAAL		10	1	0	5	10	0	1	4	10	9	50

Dimensie	Vraag	S2	S4	S6	S8	S1 0	S1 2	S1 4	S1 6	S1 8	S1 9	Tot
D5	30	✓									✓	6
	45	✓									✓	5
	50	✓									✓	5
	40										✓	5
	10	✓									✓	6
	16										✓	5
	4	✓									✓	5
	13	✓									✓	4
	25	✓									✓	4
	35	✓									✓	5
TOTAAL		8	0	2	4	10	0	1	5	10	10	50
GROOT TOTAAL		45	4	3	22	49	0	4	25	46	47	245

Tabel C.3

Dimensie	Vraag	S1	S2	S3	S4	S5	S6	S7	S8	S9	S1 0	S1 1	S1 2	S1 3	S1 4	S1 5	S1 6	S1 7	S1 8	S1 9	Tot
D1	1	✓	✓																		7
	41		✓																		5
	46	✓	✓	✓																	7
	26		✓																		8
	31			✓																	7
	6		✓																		7
	11		✓																		9
	17		✓	✓																	8
	21		✓																		5
	36	✓	✓	✓																	7
TOTAAL		5	10	7	1	0	0	2	3	2	10	0	0	0	1	0	6	4	9	10	70
D2	7		✓	✓																	7
	42			✓																	7
	37		✓																		5
	3		✓																		7
	32		✓	✓																	7
	47	✓	✓																		5
	20		✓	✓																	5
	27	✓	✓																		9

	22			✓																	5	
	12		✓																		5	
TOTAAL		2	9	6	1	0	0	2	7	2	10	0	0	0	0	1	4	2	7	9	62	
Dimensie	Vraag	S1	S2	S3	S4	S5	S6	S7	S8	S9	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	Tot	
											0	1	2	3	4	5	6	7	8	9		
D3	18	✓	✓	✓																	8	
	8	✓		✓																	9	
	43			✓																	6	
	23		✓	✓																	8	
	5		✓	✓																	10	
	14		✓																		7	
	48		✓	✓																	6	
	28	✓	✓	✓																	8	
	38		✓																		5	
	33	✓	✓	✓																	8	
TOTAAL		4	8	8	1	0	1	4	3	7	9	0	0	0	1	1	6	3	10	9	75	
D4	39		✓																		3	
	44		✓																		✓	7
	49	✓	✓	✓																	✓	9
	15		✓																		✓	6
	34		✓																		✓	7
	2		✓																		✓	10

	29		✓																	✓	6
	9		✓																	✓	6
	19	✓	✓																	✓	10
	24	✓	✓																		9
TOTAAL		3	10	6	1	1	0	3	5	3	10	0	0	0	1	3	4	4	10	9	73
Dimensie	Vraag	S1	S2	S3	S4	S5	S6	S7	S8	S9	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	Tot
											0	1	2	3	4	5	6	7	8	9	
D5	30		✓																	✓	8
	45		✓																	✓	7
	50		✓																	✓	7
	40																			✓	8
	10	✓	✓																	✓	12
	16																			✓	8
	4		✓																	✓	6
	13		✓																	✓	7
	25		✓																	✓	7
	35		✓																	✓	7
TOTAAL		1	8	8	0	2	2	5	4	4	10	0	0	0	1	2	5	5	10	10	77
GROOT TOTAAL		15	45	35	4	3	3	16	22	18	49	0	0	0	4	7	25	18	46	47	357

AANHANGSEL D

Tabel D.1 Die spanleier(S), spanlede (F) en direkte hoof(L) se beoordelings (per dimensie) van alle spanne. (Gesamentlike tabel)

Dimensie Veranderlikes	Groep Kwalifikasie	N	Gem. rang	Som v. rang	U Waarde	W Waarde	P Waarde
Dimensie 1(S)	A	9	11.83	106.50	28.5	83.5	0.182"
	B	10	8.35	83.50			
	Totaal	19					
Dimensie 1 (L)	A	9	12.72	114.50	20.5	75.5	*0.043"
	B	10	7.55	75.50			
	Totaal	19					
Dimensie 1 (F)	A	9	12.89	116.00	19.0	74.0	*0.035"
	B	10	7.40	74.00			
	Totaal	19					
Dimensie 2 (S)	A	9	11.17	100.50	34.5	89.5	0.400"
	B	10	8.95	89.50			
	Totaal	19					
Dimensie 2 (L)	A	9	11.56	104.00	31.0	86.0	0.278"
	B	10	8.60	86.00			
	Totaal	19					
Dimensie 2 (F)	A	9	12.67	114.00	21.0	76.0	0.053"
	B	10	7.60	76.00			
	Totaal	19					
Dimensie 3 (S)	A	9	11.28	101.50	33.5	88.5	0.356"
	B	10	8.85	88.50			
	Totaal	19					
Dimensie 3 (L)	A	9	12.00	108.00	27.0	82.0	0.156"
	B	10	8.20	82.00			
	Totaal	19					
Dimensie 3 (F)	A	9	12.94	116.50	18.5	73.5	*0.028"
	B	10	7.35	73.50			
	Totaal	19					
Dimensie 4 (S)	A	9	10.50	94.50	40.5	95.5	0.720"
	B	10	9.55	95.50			
	Totaal	19					
Dimensie 4 (L)	A	9	11.39	102.50	32.5	87.5	0.315"
	B	10	8.75	87.50			
	Totaal	19					

Dimensie 4 (F)	A	9	12.94	116.50	18.5	73.5	*0.028"
	B	10	7.35	73.50			
	Totaal	19					
Dimensie 5 (S)	A	9	11.00	99.00	36.0	91.0	0.497"
	B	10	9.10	91.00			
	Totaal	19					
Dimensie 5 (L)	A	9	11.11	100.00	35.0	90.0	0.447"
	B	10	9.00	90.00			
	Totaal	19					
Dimensie 5 (F)	A	9	13.22	119.00	16.0	71.0	*0.017"
	B	10	7.10	71.00			
	Totaal	19					

a. Not corrected for ties.

b. Grouping variable

* $P \leq 0.05$