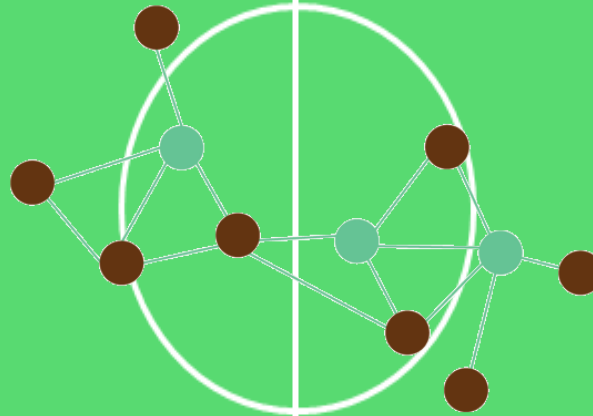


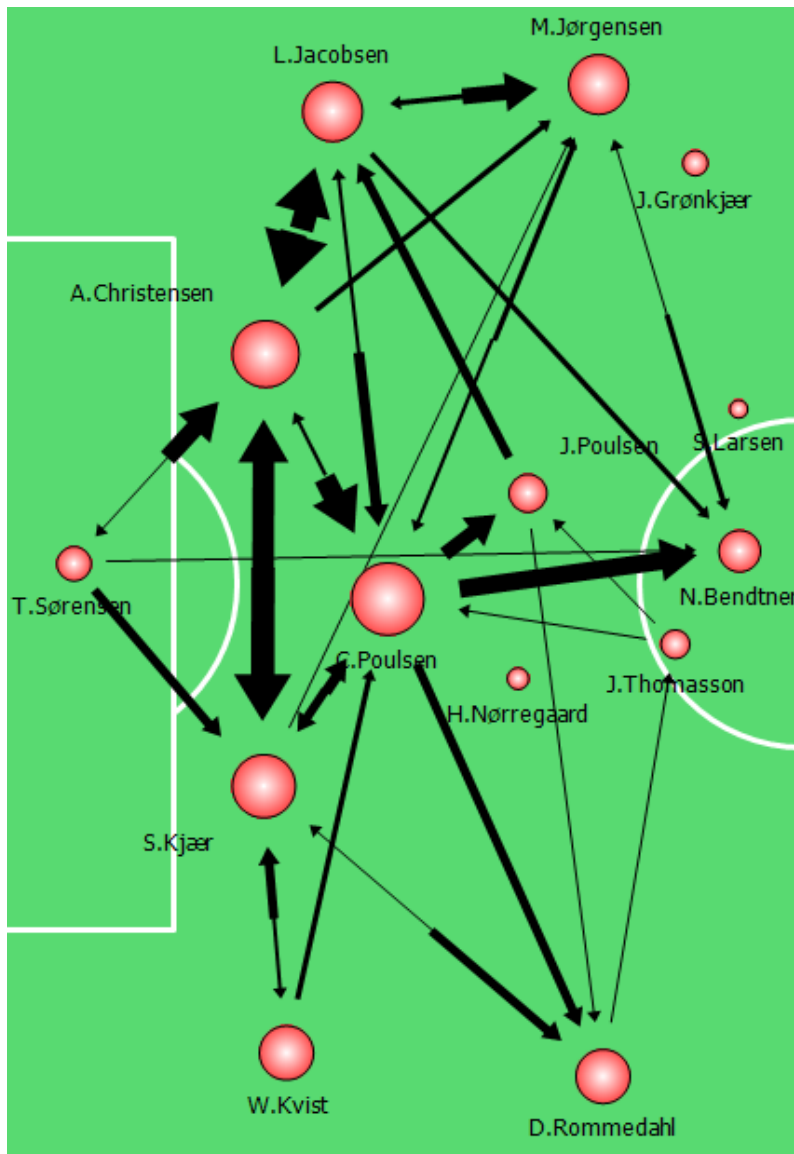
ALBANIA VS DENMARK

09.09.2009



WOULD YOU BUY STOCKS
IN THE DANISH NATIONAL FOOTBALL TEAM?
- TECHNICAL ANALYSIS OF GAME AND PLAYERS -

Technical analysis of Denmark vs. Albania



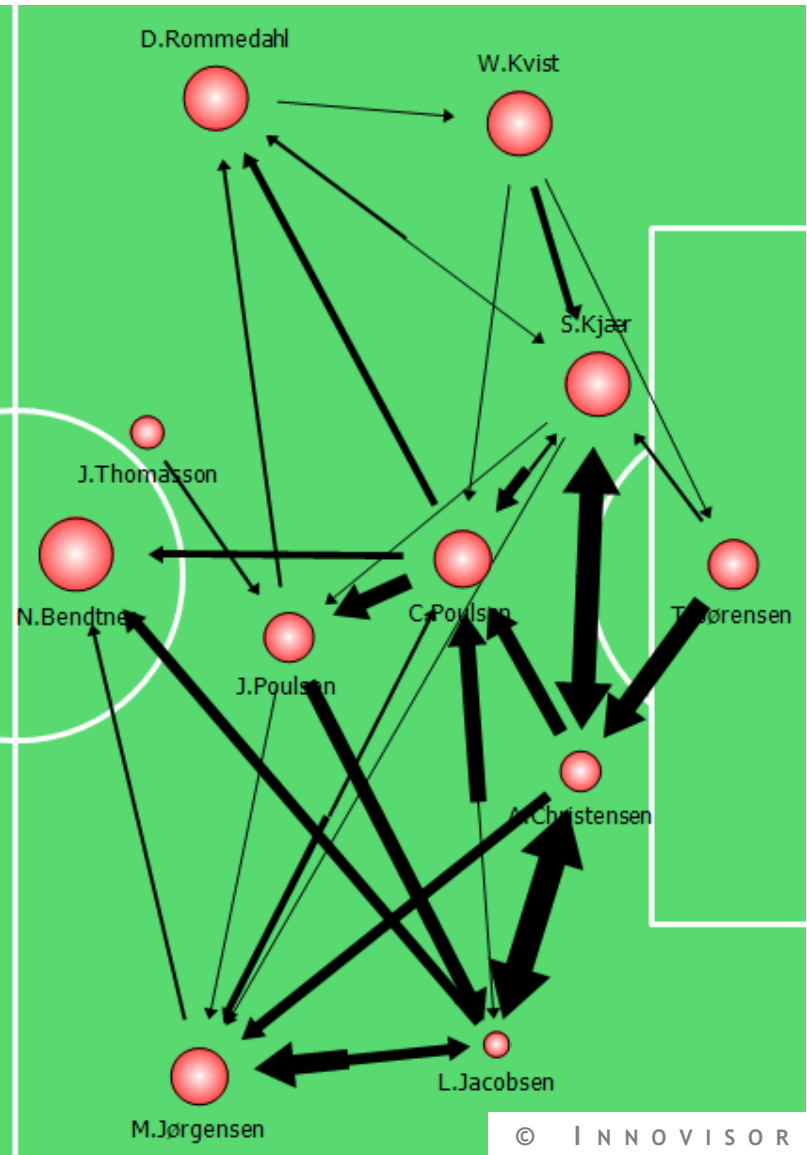
- A network perspective on the national football game vs. Albania
- The size of the circles illustrate how central each player is with regard to the general flow of the game - based on a mathematical performance metric calculating the centrality of each player
- The thickness of the arrows illustrates # of passes - only three passes or more between two players are included

- Imagine if the national team were a company, say Denmark Ltd.
- To keep things simple the strategy for Denmark Ltd. is to win games and to score goals. J. Poulsen has the role of playmaker (COO), who is supposed to drive the game forward, with a little help from the two wingers (marketing and communication) and the forwards (sales).
- As can be seen from the network diagram for Denmark Ltd. almost all forward play starts right from behind (controlling and back office) through C. Poulsen (finance) and then directly to N. Bendtner (sales).
- The few stations, omitting involvement of the central midfield, means that the wingers' competence is not used to press the game forward. Consequently, Denmark Ltd. fail to deliver on the business strategy.

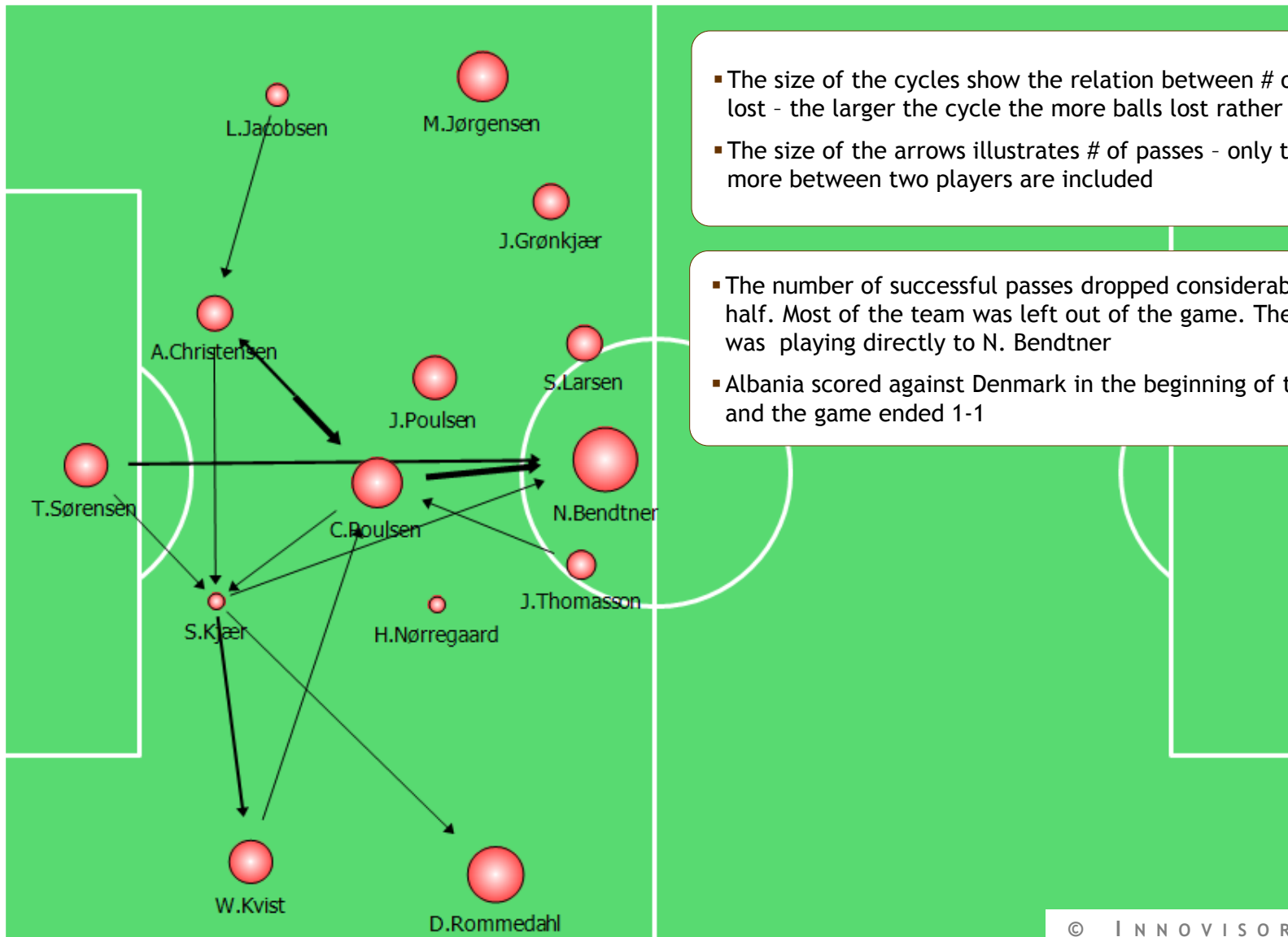
A solid effort in the first half...

- The size of the cycles show the relation between # of balls won and lost - the larger the cycle the more balls lost rather than won
- The size of the arrows illustrates # of passes - only three passes or more between two players are included

- The first half was characterised by Denmark driving the game forward, primarily via the left wing, and a lot of kicking about in defence
- The first half ended 1-0 to Denmark



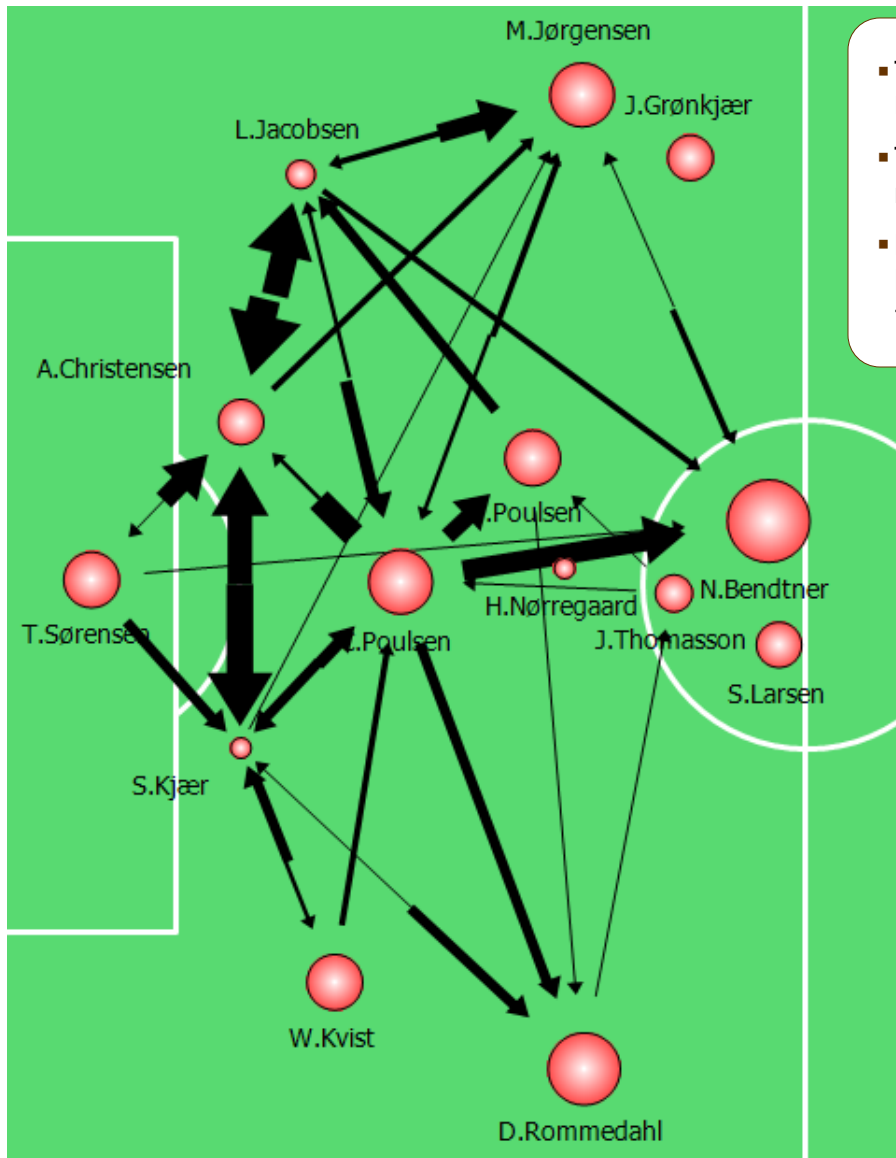
... was not repeated in the second half



- The size of the cycles show the relation between # of balls won and lost - the larger the cycle the more balls lost rather than won
- The size of the arrows illustrates # of passes - only three passes or more between two players are included

- The number of successful passes dropped considerably in the second half. Most of the team was left out of the game. The primary tactic was playing directly to N. Bendtner
- Albania scored against Denmark in the beginning of the second half and the game ended 1-1

Who was the better player in Denmark Ltd.?



- The size of the cycles show the relation between # of balls won and lost - the larger the cycle the more balls lost rather than won
- The size of the arrows illustrates # of passes - only three passes or more between two players are included
- Denmark Ltd. had in all 395 successful passes - A. Christensen, C. Poulsen, L. Jacobsen, and S. Kjær between them represented more than 55% of the total number of passes

Name	# of successful passes from
A.Christensen	60
C.Poulsen	56
L.Jacobsen	51
S.Kjær	51
T.Sørensen	30
W.Kvist	28
M.Jørgensen	28
J.Poulsen	23
D.Rommedahl	22
N.Bendtner	17
J.Thomasson	17
J.Grønkjær	7
H.Nørregaard	3
S.Larsen	2

Name	Balls lost (Top 5)
N.Bendtner	16
C.Poulsen	14
W.Kvist	10
M.Jørgensen	10
D.Rommedahl	10

Name	Balls won (Top 5)
S.Kjær	9
C.Poulsen	9
L.Jacobsen	8
W.Kvist	7
A.Christensen	6

Name	Share of total ball passing activity - (Top 5)
A.Christensen	15%
C.Poulsen	14%
S.Kjær	12%
L.Jacobsen	12%
M.Jørgensen	8%

APPENDIX



Background data

Rang	Importance (InFlowBetweenness)
1	C.Poulsen
2	A.Christensen
3	S.Kjær
4	L.Jacobsen
5	D.Rommedahl
6	M.Jørgensen
7	W.Kvist
8	N.Bendtner
9	J.Poulsen
10	T.Sørensen
11	J.Thomasson
12	J.Grønkjær
13	H.Nørregaard
14	S.Larsen

Other available data:

- Tacklings (successful), Passes (successful/unsuccessful), Passes (to/from), goals, Free kicks (committed / executed), Corner kicks (committed / executed), Throw ins, Player rating (DR), Shots on goals (misses/goals), Offside and Minutes played
- All data is available per half or for the whole match

Navn	# of suc-cessful passes from
A.Christensen	60
C.Poulsen	56
L.Jacobsen	51
S.Kjær	51
T.Sørensen	30
W.Kvist	28
M.Jørgensen	28
J.Poulsen	23
D.Rommedahl	22
N.Bendtner	17
J.Thomasson	17
J.Grønkjær	7
H.Nørregaard	3
S.Larsen	2

Navn	# of won duels
S.Kjær	9
C.Poulsen	9
L.Jacobsen	8
W.Kvist	7
A.Christensen	6
M.Jørgensen	5
T.Sørensen	3
J.Poulsen	3
N.Bendtner	3
J.Thomasson	3
D.Rommedahl	2
H.Nørregaard	2
J.Grønkjær	1
S.Larsen	0

Navn	# of suc-cessful passes to
A.Christensen	59
C.Poulsen	56
S.Kjær	45
L.Jacobsen	40
M.Jørgensen	38
N.Bendtner	37
D.Rommedahl	31
J.Poulsen	26
J.Thomasson	18
W.Kvist	17
T.Sørensen	13
J.Grønkjær	8
S.Larsen	5
H.Nørregaard	2

Navn	# of won duels
N.Bendtner	16
C.Poulsen	14
W.Kvist	10
M.Jørgensen	10
D.Rommedahl	10
L.Jacobsen	8
A.Christensen	8
S.Kjær	8
T.Sørensen	6
J.Poulsen	6
J.Thomasson	4
J.Grønkjær	3
S.Larsen	2
H.Nørregaard	1