**Sequence : Akiyo**

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| **DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 0 | 49.99 | 56.49 |
| 0 | 0 | 1 | 16 | 0 | 40.02 | 82.41 |
| 0 | 0 | 8 | 1 | 0 | 44.74 | 58.71 |
| 0 | 0 | 8 | 16 | 0 | 39.52 | 84.62 |
| 0 | 0 | 16 | 1 | 0 | 40.64 | 59.43 |
| 0 | 0 | 16 | 16 | 0 | 38.08 | 85.35 |
| **DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 10 | 50.55 | 69.28 |
| 0 | 0 | 1 | 16 | 10 | 40.59 | 94.44 |
| 0 | 0 | 8 | 1 | 10 | 46.54 | 69.16 |
| 0 | 0 | 8 | 16 | 10 | 40.20 | 95.32 |
| 0 | 0 | 16 | 1 | 10 | 42.05 | 68.40 |
| 0 | 0 | 16 | 16 | 10 | 38.78 | 95.37 |
| **Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 0 | 49.99 | 56.27 |
| 0 | 6 | 1 | 16 | 0 | 40.02 | 82.19 |
| 0 | 6 | 8 | 1 | 0 | 44.74 | 58.56 |
| 0 | 6 | 8 | 16 | 0 | 39.52 | 84.48 |
| 0 | 6 | 16 | 1 | 0 | 40.64 | 59.32 |
| 0 | 6 | 16 | 16 | 0 | 38.08 | 85.24 |
| **Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 50.55 | 69.24 |
| 0 | 6 | 1 | 16 | 10 | 40.59 | 94.42 |
| 0 | 6 | 8 | 1 | 10 | 46.54 | 69.15 |
| 0 | 6 | 8 | 16 | 10 | 40.20 | 95.31 |
| 0 | 6 | 16 | 1 | 10 | 42.05 | 68.39 |
| 0 | 6 | 16 | 16 | 10 | 38.78 | 95.36 |
| **Intra Prediction, DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 0 | 50.15 | 60.62 |
| 1 | 0 | 1 | 16 | 0 | 40.05 | 88.91 |
| 1 | 0 | 8 | 1 | 0 | 46.61 | 61.63 |
| 1 | 0 | 8 | 16 | 0 | 39.68 | 89.89 |
| 1 | 0 | 16 | 1 | 0 | 42.58 | 61.82 |
| 1 | 0 | 16 | 16 | 0 | 38.54 | 90.03 |

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| **Intra Prediction, DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 10 | 50.75 | 68.28 |
| 1 | 0 | 1 | 16 | 10 | 40.59 | 95.09 |
| 1 | 0 | 8 | 1 | 10 | 47.32 | 68.59 |
| 1 | 0 | 8 | 16 | 10 | 40.26 | 95.82 |
| 1 | 0 | 16 | 1 | 10 | 43.12 | 68.33 |
| 1 | 0 | 16 | 16 | 10 | 39.12 | 95.82 |
| **Intra Prediction, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 6 | 1 | 1 | 0 | 50.15 | 60.62 |
| 1 | 6 | 1 | 16 | 0 | 40.05 | 88.92 |
| 1 | 6 | 8 | 1 | 0 | 46.61 | 61.64 |
| 1 | 6 | 8 | 16 | 0 | 39.69 | 89.90 |
| 1 | 6 | 16 | 1 | 0 | 42.58 | 61.82 |
| 1 | 6 | 16 | 16 | 0 | 38.54 | 90.06 |
| **Intra Prediction, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 50.75 | 68.29 |
| 0 | 6 | 1 | 16 | 10 | 40.59 | 95.09 |
| 0 | 6 | 8 | 1 | 10 | 47.32 | 68.59 |
| 0 | 6 | 8 | 16 | 10 | 40.26 | 95.82 |
| 0 | 6 | 16 | 1 | 10 | 43.12 | 68.33 |
| 0 | 6 | 16 | 16 | 10 | 39.12 | 95.82 |

**Sequence : Foreman**

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| **DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 0 | 49.84 | 46.14 |
| 0 | 0 | 1 | 16 | 0 | 37.63 | 78.67 |
| 0 | 0 | 8 | 1 | 0 | 44.59 | 48.37 |
| 0 | 0 | 8 | 16 | 0 | 37.31 | 80.90 |
| 0 | 0 | 16 | 1 | 0 | 40.30 | 49.11 |
| 0 | 0 | 16 | 16 | 0 | 36.26 | 81.64 |
| **DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 10 | 49.82 | 54.53 |
| 0 | 0 | 1 | 16 | 10 | 37.93 | 88.89 |
| 0 | 0 | 8 | 1 | 10 | 46.36 | 55.24 |
| 0 | 0 | 8 | 16 | 10 | 37.67 | 89.89 |
| 0 | 0 | 16 | 1 | 10 | 42.13 | 55.16 |
| 0 | 0 | 16 | 16 | 10 | 36.71 | 89.94 |
| **Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 0 | 49.84 | 45.94 |
| 0 | 6 | 1 | 16 | 0 | 37.63 | 78.47 |
| 0 | 6 | 8 | 1 | 0 | 44.59 | 48.23 |
| 0 | 6 | 8 | 16 | 0 | 37.31 | 80.76 |
| 0 | 6 | 16 | 1 | 0 | 40.30 | 48.99 |
| 0 | 6 | 16 | 16 | 0 | 36.26 | 81.52 |
| **Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 49.82 | 54.51 |
| 0 | 6 | 1 | 16 | 10 | 37.93 | 88.88 |
| 0 | 6 | 8 | 1 | 10 | 46.36 | 55.23 |
| 0 | 6 | 8 | 16 | 10 | 37.67 | 89.87 |
| 0 | 6 | 16 | 1 | 10 | 42.13 | 55.15 |
| 0 | 6 | 16 | 16 | 10 | 36.71 | 89.93 |
| **Intra Prediction, DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 0 | 49.77 | 50.08 |
| 1 | 0 | 1 | 16 | 0 | 37.58 | 83.10 |
| 1 | 0 | 8 | 1 | 0 | 46.40 | 51.21 |
| 1 | 0 | 8 | 16 | 0 | 37.36 | 84.22 |
| 1 | 0 | 16 | 1 | 0 | 42.65 | 51.42 |
| 1 | 0 | 16 | 16 | 0 | 36.66 | 84.41 |

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| **Intra Prediction, DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 10 | 49.86 | 55.01 |
| 1 | 0 | 1 | 16 | 10 | 37.94 | 89.30 |
| 1 | 0 | 8 | 1 | 10 | 46.90 | 55.72 |
| 1 | 0 | 8 | 16 | 10 | 37.72 | 90.19 |
| 1 | 0 | 16 | 1 | 10 | 43.18 | 55.67 |
| 1 | 0 | 16 | 16 | 10 | 36.99 | 90.21 |
| **Intra Prediction, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 6 | 1 | 1 | 0 | 49.77 | 50.09 |
| 1 | 6 | 1 | 16 | 0 | 37.58 | 83.12 |
| 1 | 6 | 8 | 1 | 0 | 46.40 | 51.22 |
| 1 | 6 | 8 | 16 | 0 | 37.36 | 84.23 |
| 1 | 6 | 16 | 1 | 0 | 42.65 | 51.43 |
| 1 | 6 | 16 | 16 | 0 | 36.66 | 84.42 |
| **Intra Prediction, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 49.86 | 55.02 |
| 0 | 6 | 1 | 16 | 10 | 37.94 | 89.31 |
| 0 | 6 | 8 | 1 | 10 | 46.90 | 51.34 |
| 0 | 6 | 8 | 16 | 10 | 37.72 | 90.19 |
| 0 | 6 | 16 | 1 | 10 | 43.18 | 55.67 |
| 0 | 6 | 16 | 16 | 10 | 36.99 | 90.21 |

**Sequence : Football**

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| **DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 0 | 49.83 | 51.03 |
| 0 | 0 | 1 | 16 | 0 | 38.71 | 77.55 |
| 0 | 0 | 8 | 1 | 0 | 44.50 | 53.26 |
| 0 | 0 | 8 | 16 | 0 | 38.26 | 79.77 |
| 0 | 0 | 16 | 1 | 0 | 40.03 | 54.00 |
| 0 | 0 | 16 | 16 | 0 | 36.86 | 80.51 |
| **DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 0 | 1 | 1 | 10 | 49.59 | 53.81 |
| 0 | 0 | 1 | 16 | 10 | 37.86 | 85.64 |
| 0 | 0 | 8 | 1 | 10 | 46.05 | 54.71 |
| 0 | 0 | 8 | 16 | 10 | 37.55 | 86.77 |
| 0 | 0 | 16 | 1 | 10 | 42.01 | 54.69 |
| 0 | 0 | 16 | 16 | 10 | 36.51 | 86.87 |
| **Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 0 | 49.83 | 50.84 |
| 0 | 6 | 1 | 16 | 0 | 38.71 | 77.36 |
| 0 | 6 | 8 | 1 | 0 | 44.50 | 53.13 |
| 0 | 6 | 8 | 16 | 0 | 38.26 | 79.64 |
| 0 | 6 | 16 | 1 | 0 | 40.03 | 53.89 |
| 0 | 6 | 16 | 16 | 0 | 36.86 | 80.40 |
| **Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 49.59 | 53.79 |
| 0 | 6 | 1 | 16 | 10 | 37.86 | 85.63 |
| 0 | 6 | 8 | 1 | 10 | 46.05 | 54.71 |
| 0 | 6 | 8 | 16 | 10 | 37.55 | 86.76 |
| 0 | 6 | 16 | 1 | 10 | 42.01 | 54.68 |
| 0 | 6 | 16 | 16 | 10 | 36.51 | 86.86 |
| **Intra Prediction, DC DPCM, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 0 | 49.75 | 55.28 |
| 1 | 0 | 1 | 16 | 0 | 38.67 | 82.76 |
| 1 | 0 | 8 | 1 | 0 | 46.34 | 78.25 |
| 1 | 0 | 8 | 16 | 0 | 38.38 | 83.85 |
| 1 | 0 | 16 | 1 | 0 | 42.57 | 56.53 |
| 1 | 0 | 16 | 16 | 0 | 37.53 | 84.05 |

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| **Intra Prediction, DC DPCM, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 0 | 1 | 1 | 10 | 49.60 | 54.30 |
| 1 | 0 | 1 | 16 | 10 | 37.87 | 86.15 |
| 1 | 0 | 8 | 1 | 10 | 46.45 | 55.11 |
| 1 | 0 | 8 | 16 | 10 | 37.61 | 87.16 |
| 1 | 0 | 16 | 1 | 10 | 42.98 | 55.07 |
| 1 | 0 | 16 | 16 | 10 | 36.88 | 87.24 |
| **Intra Prediction, Period 0** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 1 | 6 | 1 | 1 | 0 | 49.75 | 55.29 |
| 1 | 6 | 1 | 16 | 0 | 38.67 | 82.77 |
| 1 | 6 | 8 | 1 | 0 | 46.34 | 56.34 |
| 1 | 6 | 8 | 16 | 0 | 38.38 | 83.86 |
| 1 | 6 | 16 | 1 | 0 | 42.57 | 56.54 |
| 1 | 6 | 16 | 16 | 0 | 37.53 | 84.06 |
| **Intra Prediction, Period 10** | | | | | | |
| Intra Pred. | DC DPCM | DC Q.P. | AC Q.P. | Period | PSNR [dB] | 압축률 [%] |
| 0 | 6 | 1 | 1 | 10 | 49.60 | 54.31 |
| 0 | 6 | 1 | 16 | 10 | 37.87 | 86.15 |
| 0 | 6 | 8 | 1 | 10 | 46.45 | 55.11 |
| 0 | 6 | 8 | 16 | 10 | 37.61 | 87.17 |
| 0 | 6 | 16 | 1 | 10 | 42.98 | 55.07 |
| 0 | 6 | 16 | 16 | 10 | 36.88 | 87.24 |